

RMS SPECIFICATIONS

RMS Table Terminology

RMS Number

Richco "Raw Material Specification" identification number. For the latest RMS information, please visit www.richco-inc.com or contact your local Richco Representative.

UL® File Number

Underwriter's Laboratories Inc.®, hereafter referred to as "UL®", plastics classification number, which is used to describe the performance of the material shown. Tests conducted by UL® may include the determination of material flammability (burning characteristics), ignition characteristics from various thermal and electrical sources, electrical tracking and other electrical characteristics, physical and mechanical characteristics, and analytical tests. In addition, the effect of long-term exposure to elevated temperature (air-oven aging), water, ultraviolet light, cold, etc. on property-retention may be evaluated.

For detailed information and to access the specific "Yellow Card" referenced, please contact your local sales office or visit Underwriters Laboratories website; www.ul.com and click on "Online Certifications Directory."

UL® Flame Rating

UL® 94 classifications V0, V1, V2 and HB describe the flame retardancy levels for a given resin. V0 rated resins typically have the highest flame resistance followed by V1, V2 and HB.

Material Operating Temperatures

The Material Temperature Ranges shown are based on recommendations of the respective resin manufacturers. The values shown are for reference to aid in material selection for your application. Because each resin manufacturer uses their own methods to evaluate and rate the performance of their resins, the temperature ranges shown cannot necessarily be used to compare materials directly.

Definitions of Material Descriptions

ABS = Acrylonitrile-butadiene-styrene

Acetal = Polyacetal

ASA/AES = Acrylic-styrene-acrylonitrile/

Acrylonitrile-ethylene-propylene-styrene-alloy

CAP = Cellulose acetate propionate

CPVC = Chlorinated polyvinyl chloride

EPDM = Ethylene-propylene-diene-monomer

EVA = Polyethylene-vinyl acetate

FEP = Fluorinated ethylene propylene copolymer

HDPE = High density polyethylene

HIPS = High impact polystyrene

LCP = Liquid Crystals Polymer

LDPE = Low density polyethylene

Nitrile Rubber = Acrylonitrile rubber

Nylon = Polyamide (PA)

PBT = Polybutylene terephthalate

PC = Polycarbonate

PE = Polyethylene

PEI = Polyether imide

PP = Polypropylene

PPE/PS = Polyphenylene ether/polystyrene alloy

PPE/SB = Polyphenylene ether/styrene-butadiene alloy

PPHOX = Polyphenylene oxide

PPS = Polyphenylene sulfide

PS = Polystyrene

PSU = Polysulfone

PU = Polyurethane

PVC = Polyvinyl chloride

PVDF = Polyvinylidene fluoride

SEBS = Styrene-ethylene butylene-styrene block copolymer

SIR = Silicone molding compound

TPE = Thermoplastic elastomer

TPR = Thermoplastic rubber

RoHS and Environmental Legislation of Plastics

The European Union recently adopted the Directive, the Restriction of Hazardous Substances Directive 2002/95/EC, here after referred to as RoHS, which restricts the use of lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), and polybrominated diphenyl ethers (PBDE) in electrical and electronic products by July 1, 2006. A "Y" indicates that Richco has a certification from the individual resin manufacturer, which states chemical compliance to RoHS. A "N" indicates that Richco has a certification from the individual resin manufacturer which states chemical content and its variance to RoHS. An asterisk(*) indicates data was not available at time of publication. Please see our website or contact your local Richco Representative for the necessary documentation.

The Waste Electrical and Electronic Equipment European Parliament Directive 2002/96/EC, hereafter referred to as WEEE, establishes recovery, reuse, and recycling targets for each of ten categories of WEEE waste. The requirements are to be met by December 31, 2006.

Richco Inc. strongly supports efforts to create environmentally friendly and sustainable products. Richco Inc. is committed to compliance with all applicable laws and regulations of RoHS.

Please contact your local Richco office or Representative for support in obtaining any necessary compliance documentation.

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RMS No.	Material Description	UL® File No.	UL® Flame Rating	RoHS Compliance	Material Temperature Range					
					°C		°F			
001	Nylon 6/6	E70062	V-2	Y	-40	-	85	-40	-	185
003	PC	E45587	HB	Y	-40	-	115	-40	-	239
004	PVC-Rigid	E41877	V-0	Y	0	-	50	32	-	122
005	PPE/PS	E121562	V-1	Y	-40	-	110	-40	-	230
006	LDPE	NO U.L.	Not rated	Y	-40	-	65	-40	-	149
007	HDPE	E41877	V-2	Y	0	-	50	32	-	122
008	PP	E63499	HB	Y	0	-	65	32	-	149
009	ABS	E41871	HB	Y	0	-	60	32	-	140
010	PP	E118847	HB	Y	0	-	65	32	-	149
011	CPVC	E106426	V-0	Y	0	-	50	32	-	122
012	CAP	E146408	HB	Y	-20	-	50	-4	-	122
013	HDPE	NO U.L.	Not rated	Y	-20	-	65	-4	-	149
014	Acetal	E38860	HB	Y	-50	-	90	-58	-	194
015	Acrylic adhesive / Urethane foam tape / PE liner	MH16770	Not rated	Y	0	-	85	32	-	185
016	HIPS	E55453	HF-1	Y	-20	-	160	-4	-	320
017	Nylon 6/6	E41938	HB	Y	-40	-	85	-40	-	185
018	Nylon 6/6, 33% Glass Filled	E41938	HB	Y	-30	-	140	-22	-	284
019	Nylon 6/6	E70062	V-0	Y	-40	-	105	-40	-	221
020	PVC-Rigid	E53006	V-0	*	0	-	50	32	-	122
021	Nylon 66/6	E41938	HB	Y	-40	-	65	-40	-	149
023	PC	E121562	V-0	Y	-40	-	115	-40	-	239
025	PVC - Flexible	NO U.L.	Not rated	Y	0	-	50	32	-	122
026	PVC- Flexible	E54709 (M)	V-0	N	0	-	105	32	-	221
030	EVA	E67827	V-2	*	-40	-	85	-40	-	185
032	PVC	NO U.L.	Not rated	Y	0	-	50	32	-	122
033	Silicone adhesive / Silicone rubber foam tape / PE liner	E59150(N)	HB	Y	-60	-	180	-76	-	356
034	Rubber adhesive / PE foam tape / PE liner	NO U.L.	Not rated	*	-40	-	70	-40	-	158
035	Nylon 6/6, 14% Glass Filled	E41938	HB	Y	-20	-	65	-4	-	149
037	Nylon 6/6	E41613 (M)	V-2	Y	-40	-	65	-40	-	149
038	Nylon 6, 30% Glass Filled	NO U.L.	HB	Y	-20	-	140	-4	-	284
039	Acetal	E66288	HB	Y	-40	-	100	-40	-	212
040	Nylon 6/6	E41938	V-2	Y	-40	-	85	-40	-	185
042	TPE	E80017	HB	*	-60	-	135	-76	-	275
043	Nylon 6/6	E79900	V-0	*	-40	-	120	-40	-	248
045	Nylon 6/6 Heat Stabilized	E41938	HB	*	-40	-	85	-40	-	185
046	Nylon 6/6 UV Stabilized	E161693 / E70062	V-2	Y	-40	-	85	-40	-	185
047	Nylon 6/6 Heat Stabilized	E41938	V-2	Y	-40	-	115	-40	-	239
048	Nylon 6/6	E41871	V-2	Y	-40	-	80	-40	-	176
049	Nylon 6/6	E41871	V-2	Y	-40	-	130	-40	-	266
050	PPS, 40% Glass Filled	E54700	V-0	Y	-40	-	130	-40	-	266
051	PSU	E41871	V-1	Y	0	-	155	32	-	311
052	Nylon 6	E41871	V-2	Y	-40	-	65	-40	-	149
053	PBT	E101788	V-0	Y	-30	-	120	-22	-	248
054	PP	E118847	HB	Y	0	-	65	32	-	149
055	PVC-Flexible	E137220	V-0	Y	-35	-	50	-31	-	122
056	Nylon 4/6	E172082	V-2	Y	-40	-	152	-40	-	306
057	HDPE	NO U.L.	Not rated	*	0	-	65	32	-	149
058	Nylon 6	NO U.L.	Not rated	*	-20	-	85	-4	-	185
060	Nylon 6	E36632	HB	Y	-40	-	120	-40	-	248
061	Nylon 4/6	E172082	V-2	Y	-40	-	152	-40	-	306
062	Nylon 6	E41797	V-2	Y	-40	-	85	-40	-	185
064	PU	E177325 (M)	HB	Y	0	-	50	32	-	122
065	Acrylic adhesive / Polyester foam tape / PE liner	NO U.L.	Not rated	Y	-18	-	121	0	-	250
066	Nylon 6/6, F. R.	E84658 (N)	V-0	Y	-40	-	65	-40	-	149
067	TPR	E80017 (M)	HB	Y	-60	-	90	-76	-	194
068	Rubber adhesive / Polyester foam tape / PE liner	NO U.L.	Not rated	Y	-18	-	82	0	-	180
070	PVC	E86418 (M)	V-0	Y	0	-	50	32	-	122
071	Nylon 6	E36632	V-2	Y	-40	-	85	-40	-	185
072	PC	E123529	V-2	Y	-40	-	80	-40	-	176
073	Nylon 6/6 UV Stabilized	E41938 (M)	HB	Y	-40	-	85	-40	-	185
074	Nylon 6/6	E41938	V-2	Y	-40	-	85	-40	-	185
075	Nylon 6/6	E116324	V-0	Y	-40	-	85	-40	-	185
076	TPE	E80017	HB	*	-50	-	90	-58	-	194
078	Nylon 6	E79900	HB	Y	-40	-	100	-40	-	212
079	PC	E50075	V-2	*	-40	-	105	-40	-	221

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					°C		°F			
080	TPE	E80017	HB	Y	-40	-	50	-40	-	122
081	Nylon 6/6	E41797	V-2	Y	-40	-	80	-40	-	176
083	PVC	NO U.L.	Not rated	*	0	-	50	32	-	122
084	Nylon 6/6	E39806	V-2	Y	-40	-	85	-40	-	185
085	Nylon 6	NO U.L.	Not rated	*	-40	-	100	-40	-	212
086	PP	NO U.L.	Not rated	*	0	-	65	32	-	149
087	Nylon 6	E41797	V-0	Y	-40	-	120	-40	-	248
088	Nylon 6 Heat Stabilized	E36632	HB	Y	-40	-	120	-40	-	248
089	FEP	E54681	V-0	N	-70	-	400	-94	-	752
090	Rubber adhesive / PE foam tape / PE liner	NO U.L.	Not rated	*	-30	-	65	-22	-	149
091	Nylon 6/6	E88499	Not rated	*	-20	-	120	-4	-	248
092	Acrylic adhesive / Acrylic foam tape / Paper liner	NO U.L.	Not rated	Y	-40	-	93	-40	-	200
093	Acrylic adhesive / PE foam tape / PE liner	NO U.L.	Not rated	*	-40	-	70	-40	-	158
094	PP	NO U.L.	Not rated	*	0	-	65	32	-	149
095	Nylon 6	E147510	V-0	*	-40	-	150	-40	-	302
096	Hot melt adhesive	R6022	Not rated	*	-	-	-	-	-	-
098	TPE	NO U.L.	Not rated	*	-40	-	120	-40	-	248
100	TPE	NO U.L.	Not rated	*	-40	-	70	-40	-	158
101	PP	E121855	V-0	*	0	-	115	32	-	239
102	Rubber adhesive / PE foam tape / PE liner	MH15436	Not rated	*	-17	-	65	1	-	149
103	Nylon 66/6	E41871	V-0	Y	-40	-	65	-40	-	149
104	Nylon 6/6 25% Glass Filled	E41938	V-0	N	-40	-	130	-40	-	266
105	PPE/SB	E41871	V-0	*	-30	-	130	-22	-	266
106	Nylon 6 Heat Stabilized	E36632	V-2	Y	-40	-	120	-40	-	248
107	PC	E146413	V-2	*	-40	-	110	-40	-	230
109	Nylon 4/6 heat stabilized	E119177	V-2	Y	-40	-	152	-40	-	306
110	PBT 30% Glass Filled	E130155	V-0	*	-30	-	140	-22	-	284
111	PBT	E45575	V-0	Y	-30	-	170	-22	-	338
112	Nylon 6/6 25% Glass Filled	E135532	V-0	Y	-40	-	139	-40	-	282
113	Acrylic adhesive / PE foam tape / PE liner	NO U.L.	Not rated	*	-18	-	107	0	-	225
114	ABS	E49895	HB	*	0	-	85	32	-	185
115	Nylon 6/6	E41938	V-2	Y	-30	-	85	-22	-	185
116	Nylon 6/6	NO U.L.	Not rated	*	-20	-	85	-4	-	185
117	Polystyrene	E140692	V-2	*	-20	-	50	-4	-	122
118	PVC-Flexible	NO U.L.	Not rated	*	0	-	50	32	-	122
119	Rubber adhesive / PE foam tape / PE liner	NO U.L.	Not rated	*	0	-	65	32	-	149
120	Nylon 4/6 Heat Stabilized	E119177	V-2	Y	-40	-	152	-40	-	306
121	Acetal	E66288	HB	Y	-50	-	90	-58	-	194
123	Silicone rubber	E205753	HB	*	-40	-	150	-40	-	302
124	PP	E41877	V-2	Y	0	-	80	32	-	176
125	TPR	NO U.L.	Not rated	*	-40	-	125	-40	-	257
126	PP	NO U.L.	Not rated	*	0	-	65	32	-	149
127	Acetal	NO U.L.	Not rated	*	-50	-	90	-58	-	194
128	PE foam tape	NO U.L.	Not rated	*	-17	-	65	1	-	149
129	Rubber adhesive / Polyester foam tape / PE liner	NO U.L.	Not rated	*	-17	-	65	1	-	149
130	PPE/PS	E45587	V-2	Y	-40	-	110	-40	-	230
131	Rubber adhesive / Rubber foam tape / PE liner	NO U.L.	Not rated	*	-40	-	85	-40	-	185
132	Acrylic adhesive / Urethane foam tape / PE liner	MH17478	Not rated	*	-35	-	150	-31	-	302
133	Nylon 6	E79900	HB	Y	-40	-	57	-40	-	135
134	PE	NO U.L.	Not rated	*	0	-	65	32	-	149
135	Rubber adhesive / Silicone foam tape / PE liner	E57750	V-0	*	-29	-	150	-20	-	302
136	Acrylic adhesive / PE foam tape / PE liner	NO U.L.	Not rated	*	-40	-	60	-40	-	140
137	PC	E41179	V-2	*	-40	-	125	-40	-	257
138	Acetal	E45034	HB	Y	-50	-	100	-58	-	212
139	Nylon 6/6	E53898	HB	*	-40	-	105	-40	-	221
140	PBT	E41613	V-0	*	-30	-	140	-22	-	284
141	PVDF	E54699	V-0	*	-30	-	50	-22	-	122
142	PE	NO U.L.	Not rated	*	0	-	70	32	-	158
143	Acrylic adhesive / PE foam tape / PE liner	NO U.L.	Not rated	*	-40	-	70	-40	-	158
144	PVC	NO U.L.	Not rated	*	0	-	50	32	-	122
145	PPE/PS	E45329	V-0	Y	-30	-	80	-22	-	176
146	Nylon 6/6	E41797	V-0	Y	-40	-	85	-40	-	185
147	Nylon 6/6	E141008	V-2	*	-40	-	85	-40	-	185
148	Nylon 6/6	E70062	HB	*	-40	-	85	-40	-	185
149	ASA/AES	E44741	HB	*	-40	-	60	-40	-	140

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					°C			°F			
150	PP	NO U.L.	Not rated	Y	0	-	65		32	-	149
151	PP conductive	E45195	HB	*	0	-	65		32	-	149
152	Aluminum	NO U.L.	Not rated	*	-	-	-		-	-	-
153	EPDM Rubber	NO U.L.	Not rated	*	-40	-	110		-40	-	230
154	Nylon 6	E76261	V-2	*	-30	-	85		-22	-	185
155	PE	NO U.L.	Not rated	*	0	-	65		32	-	149
156	Nylon 6/6	E53664	V-0	*	-40	-	120		-40	-	248
157	Nylon 6 Heat Stabilized	NO U.L.	Not rated	*	-40	-	130		-40	-	266
158	TPE	E80017	HB	*	-50	-	90		-58	-	194
159	Nylon 6	E47960	V-2	*	-30	-	85		-22	-	185
160	Acetal	NO U.L.	Not rated	*	-50	-	90		-58	-	194
161	PC	E41179	V-2	*	-40	-	125		-40	-	257
162	PEI	E247337	V-0	*	-40	-	200		-40	-	392
163	HIPS	E108538	HB	*	-20	-	80		-4	-	176
164	Nylon 6/6	E70062	V-2	*	-40	-	115		-40	-	239
165	Nylon 6/6	E70062	V-2	*	-40	-	85		-40	-	185
166	TPR	NO U.L.	Not rated	*	-40	-	50		-40	-	122
167	TPE	E80017	HB	*	-40	-	50		-40	-	122
168	TPE	E80017	HB	*	-40	-	50		-40	-	122
169	Nylon 6/6	E132701	V-0	*	-40	-	140		-40	-	284
170	Ceramic	NO U.L.	Not rated	*	-	-	-		-	-	-
171	ABS	E56070	V-0	*	0	-	85		32	-	185
172	NYLON 66 HEAT STABILIZED	E41938	HB	*	-40	-	95		-40	-	203
173	NYLON 6, 25% GLASS FILLED	E76261	HB	*	-20	-	140		-4	-	284
174	NYLON 66	E86615	HB	*	0	-	65		32	-	149
175	STEEL	NO U.L.	NOT RATED	Y	-	-	-		-	-	-
176	TPE	E179500	V-0	*	-30	-	100		-22	-	212
177	PP	E54080	V-2	Y	0	-	65		32	-	149
178	NYLON 6	E195508	V-0	Y	-40	-	90		-40	-	194
179	NYLON 66	NO U.L.	NOT RATED	*	-20	-	65		-4	-	149
180	EPDM	NO U.L.	NOT RATED	*	-20	-	90		-4	-	194
181	PC	E121254	V-2	*	-40	-	100		-40	-	212
182	PP/TPR ALLOY	E80017	HB	*	-30	-	90		-22	-	194
183	HDPE	NO U.L.	NOT RATED	*	0	-	65		32	-	149
184	LCP	E83005	V-0	*	0	-	130		32	-	266
185	TPE	NO U.L.	NOT RATED	*	-	-	-		-	-	-
186	PVC-RIGID	NO U.L.	NOT RATED	*	-10	-	50		18	-	122
187	PVC-RIGID	NO U.L.	NOT RATED	*	-20	-	70		-4	-	158
188	PVC-RIGID	NO U.L.	NOT RATED	*	-20	-	60		-4	-	140
189	NYLON 66, 15% GLASS FILLED	NO U.L.	NOT RATED	*	-20	-	85		-4	-	185
190	PP	NO U.L.	NOT RATED	*	0	-	65		32	-	149
191	PVC-RIGID	NO U.L.	NOT RATED	*	0	-	50		32	-	122
192	STAINLESS STEEL	NO U.L.	NOT RATED	*	-	-	-		-	-	-
193	PVC-RIGID	NO U.L.	NOT RATED	*	0	-	50		-	32	122
194	ALUMINUM	NO U.L.	NOT RATED	*	-	-	-		-	-	-
195	PVC-RIGID	NO U.L.	NOT RATED	*	0	-	50		32	-	122
196	PVC-RIGID	NO U.L.	NOT RATED	*	0	-	50		32	-	122
197	STAINLESS STEEL	NO U.L.	NOT RATED	*	-	-	-		-	-	-
198	STEEL	NO U.L.	NOT RATED	*	-	-	-		-	-	-
199	ALUMINUM	NO U.L.	NOT RATED	*	-	-	-		-	-	-
200	PVC-RIGID	NO U.L.	NOT RATED	*	0	-	50		32	-	122
201	NITRILE RUBBER	NO U.L.	NOT RATED	*	-	-	-		-	-	-
202	ACETAL	E38860	HB	Y	-50	-	90		-58	-	194
203	STAINLESS STEEL	NO U.L.	NOT RATED	*	-	-	-		-	-	-
204	PC	E121562	HB	*	-40	-	110		-40	-	230
205	NYLON 66	E116324	V-0	*	-40	-	100		-40	-	212

Nylon Storage Guidelines / Shelf Life

All Richco nylon parts are packaged in sealed plastic bags and contain an appropriate level of moisture. When stored in the original unopened bags at 73°F (23°C) and 50% RH, parts shelf life is one year from date of shipment.

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Adhesive Tape Usage Guidelines

Design

Long-term maximum product application loads generally should not exceed 0.25 psi. The surface area of contact is very critical for bond strength, so the amount of tape used should be maximized based on the application. In general, the tensile strength of the adhesive is higher than the peel or shear strength, so the product should be designed to be loaded in tension whenever possible.

Shelf Life

The shelf life of the adhesives shown is 12 months from shipping when stored in the original packaging at room temperature (73°F [23°C]) and 50% relative humidity.

Temperature Considerations

Ideal application temperature for most of the adhesives shown is 70° to 100° F (21° to 38°C). Lower application temperatures should be avoided because the adhesive will be too firm and may not “wet out” sufficiently.

Once installed, the approximate service temperatures are:

RMS-15	32° to 185°F (0° to 85°C)	RMS-92	-40° to 200°F Max. (-40° to 93°C Max.)	RMS-129	65° to 149°F (18° to 65°C)
RMS-33	-76° to 356°F (-60° to 180°C)	RMS-93	-40° to 158°F (-40° to 70°C)	RMS-131	-40° to 185°F (-40° to 85°C)
RMS-34	-40° to 160°F (-40° to 71°C)	RMS-102	0° to 150°F (-18° to 66°C)	RMS-132	-30° to 302°F (-34° to 150°C)
RMS-65	0° to 250°F (-18° to 121°C)	RMS-113	0° to 225°F (-18° to 107°C)	RMS-135	-20° to 300°F (-29° to 149°C)
RMS-68	0° to 180°F (-18° to 82°C)	RMS-119	65° to 149°F (18° to 65°C)	RMS-136	-40° to 140°F (-40° to 60°C)
RMS-90	-20° to 150°F (-29° to 66°C)	RMS-128	65° to 149°F (18° to 65°C)	RMS-143	-40° to 158°F (-40° to 70°C)

Application Guide

Surface Condition: The bonding surfaces must be clean, uniform, dry and free of condensation. Do not use on fabric, coarse concrete, loose paint, or rough, loose surfaces.

Surface Preparation: For maximum performance, clean the mounting surfaces with a cleaning solvent such as a 50/50 mixture of isopropyl alcohol and water. Be sure to follow the solvent manufacturer's directions for use. Some surfaces may require a sealant or primer to achieve the desired bonding. Test the product on your actual application.

Application pressure: Remove the release liner being very careful not to touch the adhesive surface and then quickly and firmly rub the product into place. Firm pressure is needed to ensure full contact and to allow the adhesive to fully wet-out on the mating surfaces.

Dwell Time: The bond strength is affected by the substrate surface, application temperature and dwell time. At room temperature approximately half of the bond strength will be obtained within the first half hour with the majority of the strength achieved within 24 hours. Therefore, whenever possible wait 24 hours before applying load.

Acrylic vs. rubber based adhesives: In general, rubber based adhesives offer higher initial tack whereas acrylic based adhesives maintain higher mechanical strength over time. One should evaluate the performance of the product on the actual end use application. Contact your local Richco representative for additional physical property and chemical resistance data.

An asterisk(*) indicates data was not available at time of publication. Please see our website or contact your local Richco Representative for the necessary documentation.

RAW MATERIAL SPECIFICATION/DISCLAIMER OF WARRANTY: These Raw Material Specifications shall not be construed as creating an express warranty of description. The specifications are approximate and intended to serve only as guides and not as the basis of any sale, agreement or contract of goods sold by Richco, Inc. Richco, Incorporated reserves the right to change the raw material on any of its goods contained in this catalog without notice to any buyer. Further, these Raw Material Specifications have been provided by the manufacturer and Richco, Inc. does not warrant their accuracy.

European Union RoHS, WEEE & ELV Directives

Richco, Inc. is fully aware of the efforts to promote the use of non-hazardous substances and is committed to fulfilling its social and environmental responsibilities as a global corporate citizen. To enhance and effectively address its environmental obligations, Richco has implemented a process to assure full compliance with all of the environmental regulations and laws that impact Richco's products, materials, components and/or equipment.

In the past few years, the European Union has taken regulatory steps to promote environmentally friendly behavior by way of the Restriction of Hazardous Substances Directive ("RoHS Directive"), the Waste Electrical and Electronic Equipment Directive and the End of Life Vehicle Directive. Richco, together with the help of its suppliers, is committed to understanding the impact each Directive has on each of the products, materials, components and/or equipment manufactured or distributed by Richco, and in ensuring full compliance with the Directives and regulations that impact Richco directly.

Richco is presently developing an internal Environmental Policy that reflects the Standards of ISO 14001 and currently has in place business policies and procedures to regulate and control incoming

materials into its manufacturing environment. In addition, Richco is implementing a process to require each of its suppliers to certify compliance with the applicable Directives and confirm that the products, materials, components and/or equipment delivered to Richco do not contain banned substances or hazardous materials.

While Richco continues to strive to promote consistency in the implementation of this process across all of Richco's businesses, and fully intends to comply with all of the Directives' regulations within the applicable timeframes, some products, materials, components and/or equipment that Richco manufactures or distributes may take more time than others to effectively meet all of the timeframes that apply directly to Richco.

Richco is interested in feedback and questions regarding Richco's environmental compliance efforts. Any comments or questions should be directed to customerservice@richco-inc.com.

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