RÖCHLING Engineered Plastics

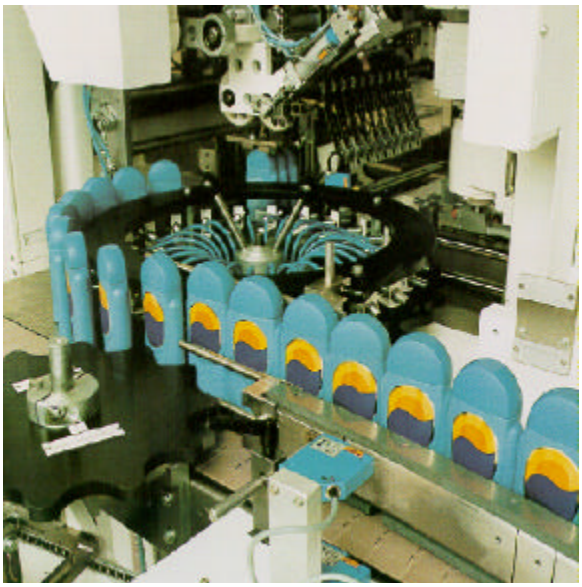
Report

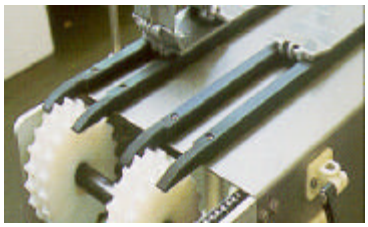
Product Development

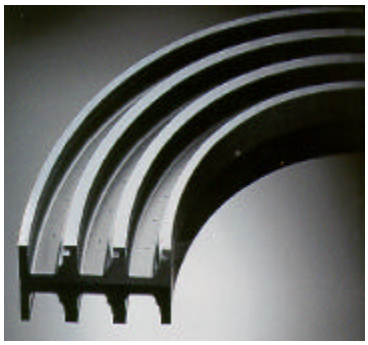
Polystone® M Anti-Static

Polystone® M Anti-Static (UHMW-PE) is specially compounded to reduce the build-up of static electricity. Whether protecting a circuit board on an assembly line or controlling against a dust explosion at a grain mill, it keeps the product moving, and moving well.

As with all of our UHMW products, Polystone® M Anti-Static also exhibits exceptional wear and impact resistance demanded by today's fast-paced industry.







Applications

Electronic conveyor and assembly components, chute and trough liners in the packaging and grain industries and ammunition work surfaces

Sheets

1/8" - 4" x 48" x 120"

Rod

1/2" - 6" diameter

Tubes

2" - 7 1/8" outside diameter

Profiles

Standard and custom

Cut-to-size pieces and custom parts also available

Physical Properties		Polystone® M	
Property	Units	ASTM Test	Anti-Static
Density	gm/cm^3	D792	.93
Coefficient of friction 73° F on steel	Static Dynamic	—	.15-.20 .10-.20
Surface Resistivity	Ohms/cm	D257	10^4-10^8
*Relative volumetric abrasion loss	*	*	100
Tensile strength at yield 73° F	psi	D638	3100
Hardness 73° F	Shore	D785	D 63-68
Coefficient of linear thermal expansion	1/K	D696	2.0 x 10^{-4}

** Industry standard test method using a slurry of 60% aluminum oxide and 40% water at a rotation speed of 1750 rpm for 2 hours. Results indicate the ability of each material, in relation to Natural (=100), to resist abrasion under typical UHMW-PE applications. A lower number indicates better abrasion resistance.*

The values given are based on laboratory testing backed with global industry experience. All properties have performed equal or better in laboratory testing, however, the data should not be considered as guaranteed specific properties.

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