Technical Data Sheet

Icorene 3570-1743G MAKO WHITEWHI

Linear Low Density Polyethylene

Product Description

Icorene 3570 is a linear low density polyethylene for rotational molding applications such as high end coolers, toys, playgrounds, tanks, etc. The grade is UV stabilized and suitable for applications requiring good stiffness and processability. Very good mold surface finish.

Processing Method	Rotomolding
Attribute	Good Toughness; UV Resistant
Forms	Powder
Appearance	Colors Available
Additive	UV Stabilizer
Application	General Purpose; Outdoor Applications; Sporting Goods

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	6.8	g/10 min	ASTM D1238
Density	0.935	g/cm³	ASTM D1505
Mechanical			
Tensile Strength at Yield, (50 mm/min)	18.3	MPa	ASTM D638
Environmental Stress Crack Resistance			
(Condition A, F50, 100% Igepal)	>1000	hr	ASTM D1693
(F50, 10% Igepal)	50.0	hr	ASTM D1693
Flexural Modulus, (1.3 mm/min, 1% Secant)	696	MPa	ASTM D790
Impact			
Impact Strength			
(-40 °C, 3.18 mm, Rotational Molded)	68	J	ARM
(-40 °C, 6.35 mm, Rotational Molded)	258	J	ARM
Thermal			
Deflection Temperature Under Load Unannealed (264 psi), (0.125 mm, Rotational Molded)	38.6	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	57.2	°C	ASTM D648