Technical Data Sheet

Icorene 3560-2A896G DK GRANITE GRY

Linear Low Density Polyethylene

Product Description

Icorene 3560 is a polyethylene developed for rotational molding applications. Intended applications are primarily large hollow objects, including toys, playground equipment, and a variety of other products.

Processing Method	Rotomolding
Attribute	Low Temperature Impact Resistance; UV Resistant
Forms	Pellets; Powder
Appearance	Black; Colors Available
Additive	UV Stabilizer
Application	General Purpose; Toys

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	6.7	g/10 min	ASTM D1238
Density	0.935	g/cm³	ASTM D1505
Mechanical			
Tensile Strength at Yield, (51 mm/min, Type IV)	18.3	MPa	ASTM D638
Environmental Stress Crack Resistance			
(F50, 10% Igepal)	50.0	hr	ASTM D1693
(F50, 100% Igepal)	>1000	hr	ASTM D1693
Flexural Modulus	696	MPa	ASTM D790
Impact			
Impact Strength			
(-40 °C, 3.18 mm, Rotational Molded)	71	J	ARM
(-40 °C, 6.35 mm, Rotational Molded)	217	J	ARM
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	38.3	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	54.4	°C	ASTM D648