

Technical Data Sheet

lcorene 3550-3029G Orange

Linear Low Density Polyethylene

Product Description

General purpose linear low density polyethylene compound offering quick cycles and part to part consistency. Available as pellet or powder.

Processing Method	Rotomolding
Attribute	Fast Molding Cycle
Forms	Pellets; Powder
Appearance	Black; Colors Available
Additive	UV Stabilizer
Application	General Purpose

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	3.3 to 5.0	g/10 min	ASTM D1238
Density	0.932 to 0.937	g/cm ³	ASTM D1505
Mechanical			
Tensile Strength at Yield, (51 mm/min, Rotational Molded)	13.8 to 18.6	MPa	ASTM D638
Environmental Stress Crack Resistance, (Compression Molded, F50, 100% Igepal)	>1000	hr	ASTM D1693
Flexural Modulus, (Rotational Molded, 1% Secant)	600 to 724	MPa	ASTM D790
Impact			
Impact Strength			
(-40 °C, 3.18 mm, Rotational Molded)	71	J	ARM
(-40 °C, 6.35 mm, Rotational Molded)	210	J	ARM
Thermal			
Deflection Temperature Under Load Unannealed (264 psi), (Rotational Molded)	38.9	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi), (Rotational Molded)	55.0	°C	ASTM D648