

Technical Data Sheet

lcorene 3950S-2A736G VOLVO GRAY



Linear Low Density Polyethylene

Product Description

General purpose linear low density polyethylene compound with part to part consistency. Available as pellet or powder.

Processing Method	Rotomolding
Attribute	Good Moldability
Forms	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)	5.0	g/10 min	ASTM D1238
Density - Specific Gravity	0.937	g/cm ³	ASTM D792
Mechanical			
Tensile Elongation at Yield, (51 mm/min, Compression Molded, Type IV)	13	%	ASTM D638
Tensile Strength at Yield, (51 mm/min, Compression Molded, Type IV)	20.0	MPa	ASTM D638
Environmental Stress Crack Resistance, (Compression Molded, F50, 100% Igepal)	>1000	hr	ASTM D1693
Flexural Modulus, (Compression Molded, 1% Secant)	779	MPa	ASTM D790
Impact			
Impact Strength			
(-40 °C, 3.18 mm, Rotational Molded)	73	J	ARM
(-40 °C, 6.35 mm, Rotational Molded)	264	J	ARM
Thermal			
Deflection Temperature Under Load Unannealed (264 psi), (3.18 mm, Rotational Molded)	39.0	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi), (Rotational Molded)	60.0	°C	ASTM D648