

## Technical Data Sheet

### *Icorene* 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
<b>Physical</b>			
Melt Flow Rate, (190 °C/2.16 kg)	5.0	g/10 min	ASTM D1238
Density - Specific Gravity	0.937	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
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
<b>Impact</b>			
Impact Strength			
(-40 °C, 3.18 mm, Rotational Molded)	73	J	ARM
(-40 °C, 6.35 mm, Rotational Molded)	264	J	ARM
<b>Thermal</b>			
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