

Technical Data Sheet

**Schulink XL 350-SM1-SM2 MASTERBATCH**



Polyethylene, Crosslinked

**Product Description**

Schulink XL 350-SM1-SM2 MASTERBATCH is a Polyethylene, Crosslinked material and is typically used in Rotational Molding applications. Features include: UV Stabilized.

<b>Processing Method</b>	Rotomolding
<b>Attribute</b>	UV Stabilized
<b>Forms</b>	Pellets; Powder
<b>Appearance</b>	Black; Natural Color
<b>Application</b>	Agricultural; Automotive Under the Hood; High Temperature Applications; Lawn & Garden Equipment; Tanks

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Density - Specific Gravity	0.942	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Tensile Strength at Yield, (51 mm/min, Rotational Molded)	19.3	MPa	ASTM D638
Environmental Stress Crack Resistance, (Compression Molded, F50, 100% Igepal)	>1000	hr	ASTM D1693
Flexural Modulus, (Rotational Molded, 1% Secant)	703	MPa	ASTM D790
Tensile Elongation at Break, (51 mm/min, Rotational Molded)	350	%	ASTM D638
<b>Impact</b>			
Impact Strength			
(-40 °C, 3.18 mm, Rotational Molded)	83	J	ARM
(-40 °C, 6.35 mm, Rotational Molded)	>251	J	ARM
<b>Thermal</b>			
Deflection Temperature Under Load Unannealed (264 psi), (Rotational Molded)	36.4	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi), (Rotational Molded)	63.0	°C	ASTM D648
<b>UL Information</b>			
Flame Rating	HB		UL 94