

Technical Data Sheet

**Schulblend M/MB 5 LE OP1 GRY69160**



Polycarbonate + ABS

**Product Description**

ABS/PC-blend with higher impact and heat resistance

<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	High Heat Resistance; High Impact Resistance
<b>Resin ID</b>	ABS+PC

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Volume Flow Rate, (260 °C/5.0 kg)	14	cm <sup>3</sup> /10 min	ISO 1133
Density, (Method A)	1.13	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
Tensile Stress at Yield, (Type 1A, 50 mm/min)	52.0	MPa	ISO 527-2
Tensile Strain at Yield, (Type 1A, 50 mm/min)	4.0	%	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	2200	MPa	ISO 527-1
<b>Impact</b>			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	45	kJ/m <sup>2</sup>	ISO 179
Charpy Impact Strength - Unnotched			
(23 °C, Type 1, Edgewise)	No Break		ISO 179
(-30 °C, Type 1, Edgewise)	No Break		ISO 179
<b>Hardness</b>			
Ball Indentation Hardness, (H 358/30)	90.0	MPa	ISO 2039-1
<b>Thermal</b>			
Vicat Softening Temperature			
(B (50N), 50 °C/h)	125	°C	ISO 306
(A (10N), 50 °C/h)	138	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	125	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	105	°C	ISO 75-2/A
<b>Flammable</b>			
Burning Rate	<40	mm/min	ISO 3795
(FMVSS 302)	<40	mm/min	FMVSS 302