

## Technical Data Sheet

**Schulblend M/MX 50 UV BLK71905**

Polycarbonate + PBT

**Product Description**

PC/PBT- blend

**Processing Method** Injection Molding**Resin ID** PC+PBT

<b>Typical Properties</b>	<b>Nominal Value</b>	<b>Units</b>	<b>Test Method</b>
<b>Physical</b>			
Melt Volume Flow Rate, (250 °C/5.0 kg)	43	cm <sup>3</sup> /10 min	ISO 1133
Density, (Method A)	1.20	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
Tensile Stress at Yield, (Type 1A, 50 mm/min)	54.0	MPa	ISO 527-2
Tensile Strain at Yield, (Type 1A, 50 mm/min)	3.8	%	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)	40	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)	43	kJ/m <sup>2</sup>	ISO 179
<b>Hardness</b>			
Ball Indentation Hardness, (H 358/30)	113	MPa	ISO 2039-1
<b>Thermal</b>			
Vicat Softening Temperature, (B (50N), 50 °C/h)	102	°C	ISO 306
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	65.0	°C	ISO 75-2/A