

Technical Data Sheet

Schulblend M/MB 5 BLK70355

Polycarbonate + ABS

Product Description

ABS/PC-blend with higher impact and heat resistance

Regulatory StatusFor regulatory compliance information, see *Schulblend M/MB 5 BLK70355* [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Europe; Latin America; North America
Processing Method	Injection Molding
Attribute	High Heat Resistance; High Impact Resistance
Resin ID	ABS+PC

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (260 °C/5.0 kg)	14	cm ³ /10 min	ISO 1133
Density, (Method A)	1.13	g/cm ³	ISO 1183
Mechanical			
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
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	45	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched (23 °C, Type 1, Edgewise)	No Break		ISO 179
(-30 °C, Type 1, Edgewise)	No Break		ISO 179
Hardness			
Ball Indentation Hardness, (H 358/30)	90.0	MPa	ISO 2039-1
Thermal			
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
Flammable			
Burning Rate (FMVSS 302)	<40	mm/min	ISO 3795
	<40	mm/min	FMVSS 302

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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