

Technical Data Sheet



Schulablend (ABS/PA) M/MK

Acrylonitrile Butadiene Styrene + PA
LyondellBasell Industries
Engineering Plastics

Product Description

ABS/PA injection molding grade with high impact strength and high chemical resistance

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Chemical Resistant • High Impact Resistance		
Automotive Specifications	• FORD WSS-M4D960-A Color: Black		
UL File Number	• E86615		
Processing Method	• Injection Molding		
Resin ID (ISO 1043)	• ABS-PA		

Physical	Dry	Conditioned	Unit	Test Method
Density	1.08	--	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (250°C/5.0 kg)	11	--	cm ³ /10min	ISO 1133
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	247000 (1700)	131000 (900)	psi (MPa)	ISO 527-1/1A/1
Tensile Stress (Yield)	5660 (39.0)	3920 (27.0)	psi (MPa)	ISO 527-2/1A/50
Tensile Strain (Yield)	3.4	21	%	ISO 527-2/1A/50
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-22°F (-30°C)	10 (22)	--	ft-lb/in ² (kJ/m ²)	
73°F (23°C)	38 (80)	43 (91)	ft-lb/in ² (kJ/m ²)	
Charpy Unnotched Impact Strength				ISO 179/1eU
-22°F (-30°C)	No Break	--		
73°F (23°C)	No Break	No Break		
Hardness	Dry	Conditioned	Unit	Test Method
Ball Indentation Hardness (H 358/30)	12300 (85.0)	--	psi (MPa)	ISO 2039-1
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				
66 psi (0.45 MPa), Unannealed	189 (87.0)	--	°F (°C)	ISO 75-2/Bf
264 psi (1.8 MPa), Unannealed	151 (66.0)	--	°F (°C)	ISO 75-2/Af
Vicat Softening Temperature				
--	248 (120)	--	°F (°C)	ISO 306/B50
--	399 (204)	--	°F (°C)	ISO 306/A50

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Flammability	Dry	Conditioned	Unit	Test Method
Flammability Classification				IEC 60695-11-10, -20
0.06 in (1.5 mm)	HB	--		
0.12 in (3.0 mm)	HB	--		
Glow Wire Flammability Index				IEC 60695-2-12
0.06 in (1.5 mm)	1200 (650)	--	°F (°C)	
0.12 in (3.0 mm)	1200 (650)	--	°F (°C)	

Additional Information

The tradename "Schulablend" may be abbreviated "SBL" in documents or on labels.

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.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

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

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