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		
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/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (250°c/5.0 Kg)	11	--	cm³/10min	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/in² (kJ/m²)	
73°f (23°c)	38 (80)	43 (91)	ft·lb/in² (kJ/m²)	
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.