

SCHULABLEND® (ABS/PA) M/MK

Acrylonitrile Butadiene Styrene + Nylon

A. Schulman Europe

Message:

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

General Information				
UL YellowCard		E344659-100854532	E86615-252141	
Features		Good Chemical Resistance		
		High Impact Resistance		
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)	11.0	--	cm³/10min	ISO 1133
Hardness	Dry	Conditioned	Unit	Test Method
Ball Indentation Hardness (H 358/30)	85.0	--	MPa	ISO 2039-1
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	1700	900	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	39.0	27.0	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
-30°C	22	--	kJ/m²	
23°C	80	91	kJ/m²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	No Break	--		
23°C	No Break	No Break		
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	87.0	--	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	66.0	--	°C	ISO 75-2/Af
Vicat Softening Temperature				
--	204	--	°C	ISO 306/A50

--	120	--	°C	ISO 306/B50
Flammability	Dry	Conditioned	Unit	Test Method
Flammability Classification				IEC 60695-11-10, -20
1.50 mm	HB	--		
3.00 mm	HB	--		
Glow Wire Flammability Index				IEC 60695-2-12
1.50 mm	650	--	°C	
3.00 mm	650	--	°C	

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