

SCHULABLEND® (ABS/PA) M/MK NC 800

Acrylonitrile Butadiene Styrene + Nylon

A. Schulman Europe

Message:

Nanocomposite based on a ABS/PA-Blend for high dimensional stability

General Information				
UL YellowCard		E344659-100854533	E86615-100087502	
Features		Good dimensional stability		
UL File Number		E86615		
Processing Method		Injection molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.14	--	g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (250°C/5.0 kg)	4.00	--	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	2400	1250	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	39.0	28.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	3.0	14	%	ISO 527-2/1A/50
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	15	--	kJ/m²	ISO 179/1eA
23°C	30	110	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	No Break	--		ISO 179/1eU
23°C	No Break	No Break		ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, not annealed	97.0	--	°C	ISO 75-2/Bf
1.8 MPa, not annealed	77.0	--	°C	ISO 75-2/Af
Vicat Softening Temperature				
--	194	--	°C	ISO 306/A50
--	116	--	°C	ISO 306/B50
Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate (2.00 mm)	27	--	mm/min	ISO 3795

Flammability Classification				IEC 60695-11-10, -20
1.50 mm	HB	--		IEC 60695-11-10, -20
3.00 mm	HB	--		IEC 60695-11-10, -20
Glow Wire Flammability Index				IEC 60695-2-12
1.50 mm	650	--	°C	IEC 60695-2-12
3.00 mm	650	--	°C	IEC 60695-2-12
Glow Wire Ignition Temperature				IEC 60695-2-13
1.50 mm	675	--	°C	IEC 60695-2-13
3.00 mm	675	--	°C	IEC 60695-2-13

Additional Information

干燥
1.)
Not for use in food contact applications2.)
Not for use in medical or pharmaceutical applications

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