SCHULABLEND® (ABS/PA) M/MK NC 800

Acrylonitrile Butadiene Styrene + Nylon

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

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America • South America
Features	• Good Dimensional Stability		
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
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	
23°C	30	110	kJ/m²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	No Break	--		
23°C	No Break	No Break		
Hardness	**Dry**	**Conditioned**	**Unit**	**Test Method**
Ball Indentation Hardness (H 358/30)	85.0	--	MPa	ISO 2039-1
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Heat Deflection Temperature				
0.45 MPa, Unannealed	97.0	--	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	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	--		
3.00 mm	HB	--		
Glow Wire Flammability Index				IEC 60695-2-12
1.50 mm	650	--	°C	
3.00 mm	650	--	°C	
Glow Wire Ignition Temperature				IEC 60695-2-13
1.50 mm	675	--	°C	
3.00 mm	675	--	°C	
UL File Number	E86615	--		

Notes

[1] Typical properties: these are not to be construed as specifications.