

Technical Data Sheet

Schulablend M/MK SF LE UV BLK71765



Acrylonitrile Butadiene Styrene + PA

Product Description

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

Processing Method Injection Molding

Attribute Good Chemical Resistance; High Flow; High Impact Resistance

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (250 °C/5.0 kg)	15	cm ³ /10 min	ISO 1133
Density, (Method A)	1.07	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield, (Type 1A, 50 mm/min)	46.0	MPa	ISO 527-2
Tensile Strain at Yield, (Type 1A, 50 mm/min)	3.0	%	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	1800	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	55	kJ/m ²	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	28	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched			
(23 °C, Type 1, Edgewise)	No Break		ISO 179
(-30 °C, Type 1, Edgewise)	No Break		ISO 179
Hardness			
Ball Indentation Hardness, (H 358/30)	87.0	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature			
(B (50N), 50 °C/h)	126	°C	ISO 306
(A (10N), 50 °C/h)	209	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	89.0	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	75.0	°C	ISO 75-2/A
Flammable			
Burning Rate			
(2.00 mm)	<100	mm/min	FMVSS 302
(2.00 mm)	<100	mm/min	ISO 3795
UL Information			
Flammability Classification, (1.6 mm)	HB		IEC 60695-11-10, -20

Injection Parameters	Nominal Value	Units
Drying Time	4	hr
Drying Temperature	80	°C
Processing (Melt) Temp	230 to 270	°C
Mold Temperature	40 to 80	°C