Technical Data Sheet

Schulablend M/MK 6101 GF8 U BLK 740

Acrylonitrile Butadiene Styrene + PA

Product Description

8% glass fiber reinforced ABS/PA6 blend standard injection molding grade. (Former name: SCHULABLEND M/MK GF8)

Processing Method	Injection Molding
Filler/Reinforcement	Glass Fiber, 8.0%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (250 °C/5.0 kg)	4.0	cm³/10 min	ISO 1133
Density, (Method A)	1.10	g/cm³	ISO 1183
Mechanical			
Tensile Stress at Yield, (Type 1A, 50 mm/min)	53.0	MPa	ISO 527-2
Tensile Strain at Yield, (Type 1A, 50 mm/min)	4.0	%	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	2700	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	13	kJ/m²	ISO 179
Charpy Impact Strength - Unnotched, (23 °C, Type 1, Edgewise)	70	kJ/m²	ISO 179
Hardness			
Ball Indentation Hardness, (H 358/30)	93.0	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature			
(B (50N), 50 °C/h)	115	°C	ISO 306
(A (10N), 50 °C/h)	190	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	152	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	76.0	°C	ISO 75-2/A
Electrical			
Volume Resistivity	>1.0E+13	ohm*m	IEC 62631-3-1
Surface Resistivity	>1.0E+15	ohm	IEC 60093
Flammable			
Burning Rate			
(2.00 mm)	40	mm/min	ISO 3795
(2.00 mm)	40	mm/min	FMVSS 302
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
Suggested Max Moisture	0.040 to 0.10	%
Processing (Melt) Temp	230 to 270	°C
Mold Temperature	40 to 80	°C