Technical Data Sheet

Schulablend M/MK 4301 BEI4-0862

Acrylonitrile Butadiene Styrene + PA

Product Description

Schulablend SBL M/MK 4301 BEIGE 4-0862 is a Acrylonitrile Butadiene Styrene + PA material and is typically used in Injection Molding applications.

Processing Method Injection Molding

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (250 °C/5.0 kg)	11	cm³/10 min	ISO 1133
Density	1.06	g/cm³	ISO 1183
Mechanical			
Tensile Stress at Yield, (50 mm/min)	37.0	MPa	ISO 527-2
Tensile Strain at Yield, (Type 1A, 50 mm/min)	4.0	%	ISO 527-2
Tensile Stress at Break, (50 mm/min)	36.0	MPa	ISO 527-2
Tensile Modulus	1640	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched, (23 °C, Notch A)	65	kJ/m²	ISO 179
Charpy Impact Strength - Unnotched, (23 °C)	No Break		ISO 179
Thermal			
Vicat Softening Temperature, (B (50N), 50 °C/h)	113	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa)	85	°C	ISO 75-2/B

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