Technical Data Sheet

Schulablend M/MW UV NAT

Acrylonitrile Styrene Acrylate + PA

Product Description

ASA/PA 6 Blend with high UV stability and heat resistance combined with good impact properties

Processing Method	Injection Molding
Attribute	Good Impact Resistance; High Heat Resistance; UV Resistant

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (250 °C/5.0 kg)	17	cm³/10 min	ISO 1133
Density, (Method A)	1.12	g/cm³	ISO 1183
Mechanical			
Tensile Stress at Yield, (Type 1A, 50 mm/min)	55.0	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)	2000	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	21	kJ/m²	ISO 179
Charpy Impact Strength - Unnotched, (23 °C, Type 1, Edgewise)	No Break		ISO 179
Thermal			
Vicat Softening Temperature, (B (50N), 50 °C/h)	149	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	104	°C	ISO 75-2/B
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)	<50	mm/min	ISO 3795
UL Information			
Flammability Classification, (1.6 mm)	HB		IEC 60695-11-10, -20

Injection Parameters	Nominal Value	Units
Nozzle Temperature	260	°C
Processing (Melt) Temp	230 to 260	°C
Front Temperature	250	°C
Hopper Temperature	50	°C
Middle Temperature	230 to 240	°C
Rear Temperature	220	°C
Injection Rate	Fast	
Back Pressure	5.00 to 15.0	MPa
Mold Temperature	30 to 80	°C
Injection Pressure	100 to 150	MPa
Cushion	2.00 to 5.00	mm