Technical Data Sheet

Schulablend M/MK 8GF SF UV BUE49950

Acrylonitrile Butadiene Styrene + PA

Product Description

8% glass fibre reinforced ABS/PA injection molding grade with high flowing properties, high impact strength and chemical resistance, UV-stabilized

Processing Method	Injection Molding
Filler/Reinforcement	Glass Fiber, 8.0%
Resin ID	PA ABS GF8

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate			
(250 °C/5.0 kg)	5.0	cm³/10 min	ISO 1133
(260 °C/5.0 kg)	9.0	cm³/10 min	ISO 1133
Density, (Method A)	1.13	g/cm³	ISO 1183
Mechanical			
Tensile Strain at Break			
(Type 1, 5 mm/min)	9.0	%	ISO 527-2
(Type 1, 5 mm/min) - Conditioned	33	%	ISO 527-2
Flexural Modulus, (2.0 mm/min)	2400	MPa	ISO 178
Tensile Stress at Break			
(Type 1, 5 mm/min)	45.0	MPa	ISO 527-2
(Type 1, 5 mm/min) - Conditioned	30.0	MPa	ISO 527-2
Tensile Modulus			
(1 mm/min, Type 1A)	2800	MPa	ISO 527-1
(1 mm/min, Type 1A) - Conditioned	1700	MPa	ISO 527-1
Flexural Stress			
(2.0 mm/min, 3.5%)	70.0	MPa	ISO 178
(2.0 mm/min, 6.0%)	78.0	MPa	ISO 178
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	15	kJ/m²	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	10	kJ/m²	ISO 179
(23 °C, Type 1, Edgewise, Notch A) - Conditioned	24	kJ/m²	ISO 179
Charpy Impact Strength - Unnotched			
(23 °C, Type 1, Edgewise)	48	kJ/m²	ISO 179
(-30 °C, Type 1, Edgewise)	60	kJ/m²	ISO 179
(23 °C, Type 1, Edgewise) - Conditioned	80	kJ/m²	ISO 179
Hardness			
Ball Indentation Hardness, (H 358/30)	109	MPa	ISO 2039-1