Technical Data Sheet

Schulablend M/MO GF8 BLK968001

Polyamide + PP

Product Description

8% glass fibre reinforced PA/PP-blend with excellent chemical resistance

Processing Method	Injection Molding
Attribute	Good Chemical Resistance
Filler/Reinforcement	Glass Fiber, 8.0%
Resin ID	PA6-PP-GF

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (250 °C/2.16 kg)	7.0	cm³/10 min	ISO 1133
Density, (Method A)	1.09	g/cm³	ISO 1183
Mechanical			
Tensile Strain at Break			
(Type 1A, 5 mm/min)	5.4	%	ISO 527-2
(Type 1A, 5 mm/min) - Conditioned	8.9	%	ISO 527-2
Tensile Stress at Break			
(Type 1A, 5 mm/min)	47.0	MPa	ISO 527-2
(Type 1A, 5 mm/min) - Conditioned	46.0	MPa	ISO 527-2
Tensile Modulus			
(1 mm/min, Type 1A)	2800	MPa	ISO 527-1
(1 mm/min, Type 1A) - Conditioned	2600	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	10	kJ/m²	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	5.0	kJ/m²	ISO 179
(23 °C, Type 1, Edgewise, Notch A) - Conditioned	12	kJ/m²	ISO 179
Charpy Impact Strength - Unnotched			
(23 °C, Type 1, Edgewise)	50	kJ/m²	ISO 179
(-30 °C, Type 1, Edgewise)	44	kJ/m²	ISO 179
(23 °C, Type 1, Edgewise) - Conditioned	61	kJ/m²	ISO 179
Hardness			
Ball Indentation Hardness, (H 358/30)	120	MPa	ISO 2039-1
Thermal			

Vicat Softening Temperature			
(B (50N), 50 °C/h)	156	°C	ISO 306
(A (10N), 50 °C/h)	215	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	195	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	99.0	°C	ISO 75-2/A
Flammable			
Burning Rate, (2.00 mm)	31	mm/min	ISO 3795
Glow Wire Flammability Index			
(1.5 mm)	650	°C	IEC 60695-2-12
(3.0 mm)	650	°C	IEC 60695-2-12
Glow Wire Ignition Temperature			
(1.5 mm)	675	°C	IEC 60695-2-13
(3.0 mm)	675	°C	IEC 60695-2-13
UL Information			
Flammability Classification			
(1.5 mm)	HB		IEC 60695-11-10, -20
(3.0 mm)	HB		IEC 60695-11-10, -20