Technical Data Sheet

Schulamid 66 MNF2510B RC BLK968001

Polyamide 66

Product Description

25% glass fiber and graphite reinforced Polyamide 66 with optimized wear and friction behaviour , with recycled material

Processing Method	Injection Molding
Filler/Reinforcement	Glass Fiber\Graphite, 25%
Resin ID	PAM 66 MNF 2510 REC

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density, (Method A)	1.33	g/cm³	ISO 1183
Mechanical			
Tensile Strain at Break			
(Type 1A, 5 mm/min)	2.5	%	ISO 527-2
(Type 1A, 5 mm/min) - Conditioned	5.2	%	ISO 527-2
Tensile Stress at Break			
(Type 1A, 5 mm/min)	125	MPa	ISO 527-2
(Type 1A, 5 mm/min) - Conditioned	80.0	MPa	ISO 527-2
Tensile Modulus			
(1 mm/min, Type 1A)	8300	MPa	ISO 527-1
(1 mm/min, Type 1A) - Conditioned	5200	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	6.0	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	10	kJ/m²	ISO 179
Charpy Impact Strength - Unnotched			
(23 °C, Type 1, Edgewise)	45	kJ/m²	ISO 179
(-30 °C, Type 1, Edgewise)	42	kJ/m²	ISO 179
(23 °C, Type 1, Edgewise) - Conditioned	60	kJ/m²	ISO 179
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	>250	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	240	°C	ISO 75-2/A