

TECHNYL® A 218 V25 NATURAL B

Polyamide 66
Solvay Engineering Plastics

Message:
Polyamide 66, reinforced with 25% of glass fibre, specially stabilized to improve its resistance to oils and greases, for injection moulding.

General Information			
UL YellowCard	E44716-235569		
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Features	Grease Resistant		
	Oil Resistant		
Uses	Bearings		
	Housings		
Appearance	Natural Color		
Processing Method	Injection Molding		
Part Marking Code (ISO 11469)	>PA66-GF25<		
Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm ³	ISO 1183/A
Molding Shrinkage			Internal Method
Across Flow	0.85	%	
Flow	0.40	%	
Water Absorption (23°C, 24 hr)	0.90	%	ISO 62
Molding Shrinkage Isotropy	0.470		Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8700	MPa	ISO 527-2/1A
Tensile Stress (Break)	179	MPa	ISO 527-2/1A
Tensile Strain (Break)	3.0	%	ISO 527-2/1A
Flexural Modulus	7600	MPa	ISO 178
Flexural Stress	280	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	9.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	65	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	255	°C	ISO 75-2/Af
Melting Temperature	263	°C	ISO 11357-3
CLTE - Transverse (23 to 85°C)	2.7E-5	cm/cm/°C	ISO 11359-2
Injection	Nominal Value	Unit	

Drying Temperature	80.0	°C
Suggested Max Moisture	0.20	%
Rear Temperature	260 to 270	°C
Middle Temperature	270 to 280	°C
Front Temperature	280 to 290	°C
Mold Temperature	60.0 to 80.0	°C

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