

TECHNYL® A 218W V15 NATURAL

Polyamide 66
Solvay Engineering Plastics

Message:
Polyamide 66, reinforced with 15% of glass fibre, for injection moulding, heat stabilized, with improved hydrolysis resistance.

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
	Hydrolysis Resistant		
Uses	Valves/Valve Parts		
Appearance	Natural Color		
Processing Method	Injection Molding		
Part Marking Code (ISO 11469)	>PA66-GF15<		
Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm ³	ISO 1183/A
Molding Shrinkage			Internal Method
Across Flow	1.1	%	
Flow	0.80	%	
Water Absorption (23°C, 24 hr)	1.1	%	ISO 62
Molding Shrinkage Isotropy	0.730		Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6070	MPa	ISO 527-2/1A
Tensile Stress (Break)	130	MPa	ISO 527-2/1A
Tensile Strain (Break)	4.0	%	ISO 527-2/1A
Flexural Modulus	5270	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	5.5	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	245	°C	ISO 75-2/Af
Melting Temperature	263	°C	ISO 11357-3
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94
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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Recommended distributors for this material

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