

TECHNYL® A 218 V25 NATURAL BA

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			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Features	Grease Resistant		
	Oil Resistant		
Uses	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
Molding Shrinkage			Internal Method
Across Flow	0.85	%	
Flow	0.40	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	0.90	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	170	MPa	ASTM D638
Tensile Elongation (Break)	3.5	%	ASTM D638
Flexural Modulus	7500	MPa	ASTM D790
Flexural Strength	260	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	85	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	245	°C	ASTM D648
Melting Temperature	262	°C	ISO 11357-3
CLTE - Transverse (23 to 85°C)	2.7E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.800 to 3.20 mm)	HB		UL 94
Oxygen Index	23	%	ISO 4589-2
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 100	°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	80.0 to 100	°C

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Recommended distributors for this material

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