

TECHNYL® A 238 V13 NATURAL

Polyamide 66
Solvay Engineering Plastics

Message:
Polyamide 66, reinforced with 13% of glass fibre, heat stabilized, with improved impact resistance, for injection moulding.

General Information	
Filler / Reinforcement	Glass Fiber,13% Filler by Weight
Additive	Heat Stabilizer
Features	Good Impact Resistance
	Good Stiffness
	Heat Stabilized
Uses	Automotive Applications
	Automotive Under the Hood
	Fasteners
Appearance	Natural Color
Processing Method	Injection Molding
Multi-Point Data	Isothermal Stress vs. Strain (ISO 11403-1)
	Secant Modulus vs. Strain (ISO 11403-1)

Physical	Dry	Conditioned	Unit	Test Method
Molding Shrinkage				Internal Method
Across Flow	1.0	--	%	
Flow	0.85	--	%	
Molding Shrinkage Isotropy	0.850	--		Internal Method
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	5500	3650	MPa	ISO 527-2/1A
Tensile Stress (Yield)	100	60.0	MPa	ISO 527-2/1A
Tensile Strain (Yield)	4.0	8.0	%	ISO 527-2/1A
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	6.0	8.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	65	60	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength	8.0	10	kJ/m ²	ISO 180/1A
Thermal	Dry	Conditioned	Unit	Test Method

Heat Deflection Temperature (1.8 MPa, Unannealed)	228	--	°C	ISO 75-2/Af
Melting Temperature	263	--	°C	ISO 11357-3
CLTE - Transverse (23 to 85°C)	5.0E-5	--	cm/cm/°C	ISO 11359-2
Flammability	Dry	Conditioned		Test Method
Flame Rating (1.60 mm)	HB	--		UL 94
Injection	Dry	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	80.0 to 100		°C	

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