

TECHNYL® A 218 V33 NATURAL

Polyamide 66
Solvay Engineering Plastics

Message:

TECHNYL® A 218 V33 Natural is a polyamide 66, reinforced with 33% of glass fibre, heat stabilized, for injection moulding. This grade offers an excellent combination between thermal and mechanical properties.

General Information				
UL YellowCard		E44716-235569		
Filler / Reinforcement		Glass fiber reinforced material, 33% filler by weight		
Additive		heat stabilizer		
Features		Heat Stabilized - Inorganic		
		Good liquidity		
		Good demoulding performance		
Uses		Gear		
		Large household appliances and small household appliances		
		Pulley		
		Connector		
Agency Ratings		UL QMFZ2		
RoHS Compliance		RoHS compliance		
Appearance		Black		
		Natural color		
Forms		Particle		
Processing Method		Injection molding		
Multi-Point Data		Isothermal Stress vs. Strain (ISO 11403-1)		
Resin ID (ISO 1043)		PA66-G33		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.39	--	g/cm ³	ISO 1183/A
Water Absorption				ISO 62
23°C, 24 hr	0.78	--	%	ISO 62
Saturated, 23°C	5.5	--	%	ISO 62
Equilibrium, 23°C, 50% RH	1.6	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	11600	7800	MPa	ISO 527-2/1A
Tensile Stress (Break, 23°C)	205	145	MPa	ISO 527-2/1A
Tensile Strain (Break, 23°C)	3.0	5.0	%	ISO 527-2
Impact	Dry	Conditioned	Unit	Test Method

Charpy Notched Impact Strength (23°C)	13	17	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength				
23°C	90	95	kJ/m ²	ISO 179/1eU
23°C	85	20	kJ/m ²	ISO 179/1fU
Notched Izod Impact (23°C)	80	--	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	250	--	°C	ISO 75-2/Af
Melting Temperature	262	--	°C	ISO 11357-3

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Recommended distributors for this material

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