

TECHNYL STAR™ S 218 MZ20 V10 BLACK 2N

Polyamide 6
Solvay Engineering Plastics

Message:

TECHNYL STAR Polyamide, 20% mineral filled and 10% of glass fibre reinforced,heat stabilized, for injection moulding.
Characterized by a high fluidity of the melt.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
	Mineral filler, 20% filler by weight		
Additive	heat stabilizer		
Features	Good dimensional stability		
	High liquidity		
	Thermal Stability		
Uses	Parts under the hood of a car		
	Application in Automobile Field		
Appearance	Black		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm ³	ISO 1183/A
Molding Shrinkage			Internal method
Vertical flow direction	1.1	%	Internal method
Flow direction	0.54	%	Internal method
Molding Shrinkage Isotropy	0.500		Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7800	MPa	ISO 527-2/1A
Tensile Stress (Break)	110	MPa	ISO 527-2/1A
Tensile Strain (Break)	2.8	%	ISO 527-2/1A
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.4	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	35	kJ/m ²	ISO 179/1eU
Notched Izod Impact	3.7	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength	32	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	186	°C	ISO 75-2/Af
Melting Temperature	222	°C	ISO 11357-3
Injection	Nominal Value	Unit	

Drying Temperature	80.0	°C
Suggested Max Moisture	0.15	%
Rear Temperature	220 - 230	°C
Middle Temperature	245 - 250	°C
Front Temperature	245 - 250	°C
Mold Temperature	80.0	°C

Injection instructions

Spiral length vs standard PA: 200%

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