

TECHNYL® A 548B V15 BLACK 23 N

Polyamide 66/6 Copolymer
Solvay Engineering Plastics

Message:

TECHNYL® A 548B V15 Black 23 N is a copolyamide 6.6/6, reinforced with 15% of glass fibre, heat stabilized, impact modified, for blow moulding. This product is available in black color.

General Information				
Filler / Reinforcement	Glass fiber reinforced material, 15% filler by weight			
Additive	Impact modifier heat stabilizer			
Features	Impact modification Good heat aging resistance Good melt strength Heat resistance, high Thermal Stability Viscosity, High			
Uses	Blow molding applications			
Agency Ratings	UU 453/2010/EC			
RoHS Compliance	RoHS compliance			
Appearance	Black			
Processing Method	Blow molding			
Part Marking Code (ISO 11469)	>PA66-GF15			
Physical	Dry	Conditioned	Unit	Test Method
Density	1.20	--	g/cm ³	ISO 1183/A
Molding Shrinkage				Internal method
Vertical flow direction	0.98	--	%	Internal method
Flow direction	0.98	--	%	Internal method
Molding Shrinkage Isotropy	1.00	--		Internal method
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	5200	3500	MPa	ISO 527-2/1A
Tensile Stress (Break)	100	60.0	MPa	ISO 527-2/1A
Tensile Strain (Break)	5.0	9.0	%	ISO 527-2/1A
Flexural Modulus	4100	--	MPa	ISO 178
Flexural Stress	130	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	11	20	kJ/m ²	ISO 179/1eA

Charpy Unnotched Impact Strength (23°C)	68	80	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C)	13	--	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength	58	--	kJ/m ²	ISO 180
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	215	--	°C	ISO 75-2/Af
Melting Temperature	242	--	°C	ISO 11357-3
Extrusion	Dry	Unit		
Drying Temperature	80.0		°C	
Drying Time	8.0		hr	
Suggested Max Moisture	0.080		%	
Cylinder Zone 1 Temp.	240 - 260		°C	
Cylinder Zone 3 Temp.	245 - 265		°C	
Adapter Temperature	245 - 265		°C	
Die Temperature	250 - 270		°C	
Extrusion instructions				

Head Temperature: 250 to 270°C Blow Molding Mold Temperature: 40 to 60°C

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