

TECHNYL® C 548B V15 BLACK

Polyamide 6
Solvay Engineering Plastics

Message:

TECHNYL®C 548B V15 BLACK is a polyamide 6 (nylon 6) material, which contains a 15% glass fiber reinforced material. This product is available in North America or Asia Pacific region. The processing method is extrusion blow molding.

TECHNYL®The main features of C 548B V15 BLACK are:

flame retardant/rated flame

high viscosity

heat stabilizer

TECHNYL®The typical application field of C 548B V15 BLACK is: automobile industry

General Information				
Filler / Reinforcement		Glass fiber reinforced material, 15% filler by weight		
Additive		heat stabilizer		
Features		Thermal Stability		
		Viscosity, High		
Uses		Blow molding applications		
		Application in Automobile Field		
Appearance		Black		
Processing Method		Extrusion blow molding		
Part Marking Code (ISO 11469)		>PA6-GF15		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.18	--	g/cm ³	ISO 1183/A
Water Absorption (23°C, 24 hr)	1.4	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	5000	3800	MPa	ISO 527-2/1A
Tensile Stress (Break)	85.0	70.0	MPa	ISO 527-2/1A
Tensile Strain (Break)	3.0	5.0	%	ISO 527-2/1A
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	14	22	kJ/m ²	ISO 180/1A
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	185	--	°C	ISO 75-2/Af
Melting Temperature	222	--	°C	ISO 11357-3
CLTE - Transverse (23 to 85°C)	4.0E-5	--	cm/cm/°C	ISO 11359-2
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+13	1.0E+11	ohms	IEC 60093

Volume Resistivity	1.0E+15	1.0E+11	ohms·cm	IEC 60093
Dielectric Strength	--	21	kV/mm	IEC 60243-1
Relative Permittivity	3.70	4.00		IEC 60250
Dissipation Factor	0.020	0.12		IEC 60250
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating	HB	--		UL 94
Extrusion	Dry	Unit		
Drying Temperature	80.0		°C	
Suggested Max Moisture	0.10		%	
Cylinder Zone 1 Temp.	210 - 230		°C	
Cylinder Zone 3 Temp.	230 - 250		°C	
Cylinder Zone 5 Temp.	240 - 255		°C	
Die Temperature	250 - 255		°C	

Extrusion instructions

Accumulator: 240 to 250°CMold Temperature: 60 to 80°C

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