


Technyl® C 548B V15 black

PA6-GF15

Solvay Engineering Plastics

Product Texts

Polyamide PA6, reinforced with 15% of glass fibre, heat stabilized, high viscosity, for extrusion-blowing.

TECHNYL C 548B V15 is suitable in the automotive industry for blow-moulded parts, mainly in the of and air circuits, such as:

- air intake ducts, turbo to intercooler pipe, intercooler exit duct.

This product is available in black.

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	5000 / 3800	MPa	ISO 527-1/-2
Stress at break	85 / 70	MPa	ISO 527-1/-2
Strain at break	3 / 5	%	ISO 527-1/-2
Thermal properties			
ISO Data			
Melting temperature (10°C/min)	222 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	185 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, normal	40 / *	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	IEC 60695-11-10
UL recognition	UL / *	-	-
Electrical properties			
ISO Data			
Relative permittivity, 1MHz	3.7 / 4	-	IEC 60250
Dissipation factor, 1MHz	200 / 1200	E-4	IEC 60250
Volume resistivity	1E13 / 1E9	Ohm*m	IEC 60093
Electric strength	- / 21	kV/mm	IEC 60243-1
Other properties			
ISO Data			
Water absorption	1.42 / *	%	Sim. to ISO 62
Density	1180 / -	kg/m ³	ISO 1183
Test specimen production			
ISO Data			
Injection Molding, mold temperature	80	°C	ISO 10724
Characteristics			
Processing		Special Characteristics	
Other Extrusion		Heat stabilized or stable to heat	
Other text information			
Injection Molding			
Other extrusion			
The material is supplied in airtight bags, ready for use. In the case that the virgin material has absorbed moisture, it must be dried to a final moisture content of less than 0,1% with a dehumidified air drying equipment at approx 80°C.			
Recommended extrusion conditions :			

Barrel temperatures:

- feed zone 210 - 230°C
- compression zone 230 - 250