

**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 oil 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