


Technyl® C 548B V15 black

PA6-GF15

Solvay Engineering Plastics

Product Texts
Polyamide PA6, reinforced with 15% of glass fibre, heat stabilised, light 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		dry / cond	Unit	Test Standard
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		dry / cond	Unit	Test Standard
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		dry / cond	Unit	Test Standard
ISO Data				
Water absorption		1.42 / *	%	Sim. to ISO 62
Density		1180 / -	kg/m³	ISO 1183
Test specimen production		Value	Unit	Test Standard
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