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TER GROUP TER Plastics POLYMER GROUP

TECHNICAL DATA SHEET

Technyl® AR 218 V30 Black

PA66-GF30 Solvay Engineering Plastics

Product Texts

Polyamide PA66 reinforced with 30% of glass fibre, heat stabilised, containing recycled material.

TECHNYL® AR 218 V30 BLACK even if it shows slightly lower and more variable mechanical performances than the virgin prime grade TECHNYL® A 218 V30,can be used in all sectors of industry in less demanding applications and fits the main quality standards of Automotive market.

This product is available in black

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	9800 / 6700	MPa	ISO 527-1/-2
Stress at break	150 / 100	MPa	ISO 527-1/-2
Strain at break	2.3 / 5.99	%	ISO 527-1/-2
Charpy impact strength (+23°C)	50 / -	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	6 / -	kJ/m²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature (10°C/min)	260 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	255 / *	°C	ISO 75-1/-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 / *	-	-

Other properties	dry / cond	Unit	Test Standard
ISO Data			
Density	1370 / -	kg/m³	ISO 1183

Material specific properties	dry / cond	Unit	Test Standard
ISO Data			
Viscosity number	143 / *	cm³/g	ISO 307, 1157, 1628

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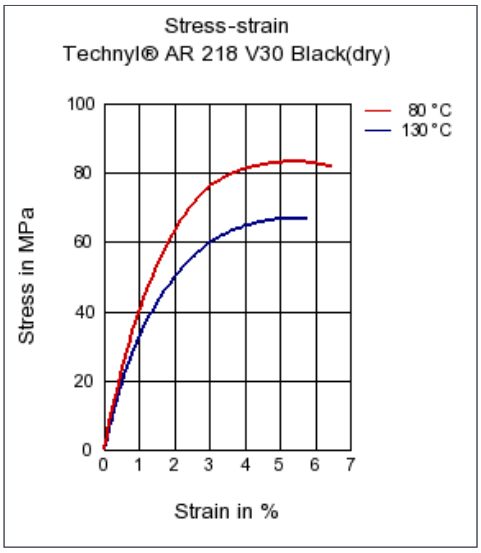
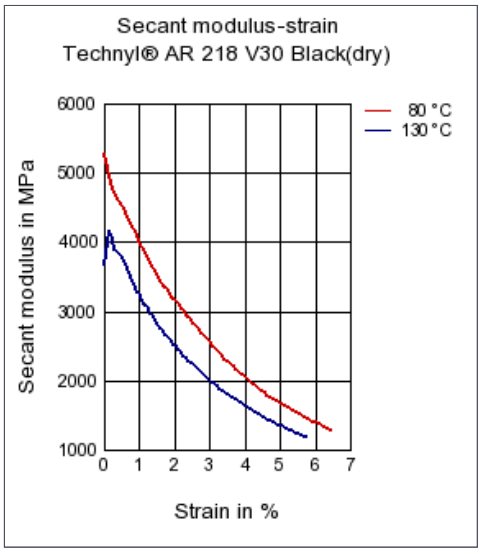
Diagrams

Stress-strain



Secant modulus-strain



Characteristics

Processing

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Other text information

Injection Molding

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 0,2% with a dehumidified air drying equipment at approx 80°C.

Recommended moulding conditions

- Barrel temperatures :
- feed zone 260-270°C
- compre ssion zone 270-280°C
- front zone 280-290°C

Mould temperatures: 80 at100 °C

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