

**Technyl® CR 218 V30 black 1 N**

PA6-GF30

Solvay Engineering Plastics

Product Texts

Polyamide PA6 reinforced with 30% of glass fibre, heat stabilized, containing recycled material.

This grade is suitable for none critical and less demanding parts.

This product is available in black.

Mechanical properties **dry / cond** **Unit** **Test Standard****ISO Data**

Tensile Modulus	9600 / -	MPa	ISO 527-1/-2
Stress at break	140 / -	MPa	ISO 527-1/-2
Strain at break	2 / -	%	ISO 527-1/-2
Charpy impact strength (+23°C)	50 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	5.2 / -	kJ/m ²	ISO 179/1eA

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)	208 / *	°C	ISO 75-1/-2

Electrical properties **dry / cond** **Unit** **Test Standard****ISO Data**

Relative permittivity, 1MHz	3.71 / -	-	IEC 60250
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Other properties **dry / cond** **Unit** **Test Standard****ISO Data**

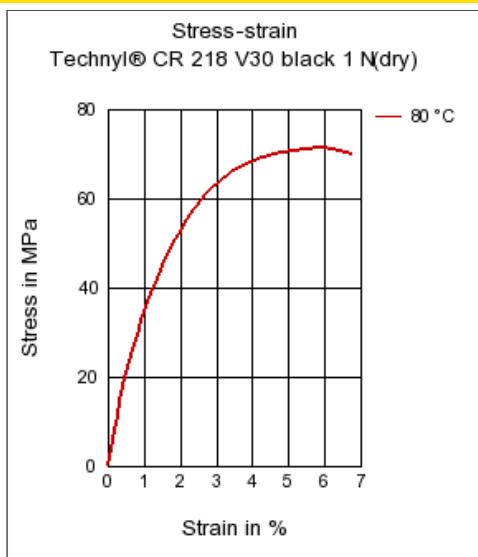
Density	1360 / -	kg/m ³	ISO 1183
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Material specific properties **dry / cond** **Unit** **Test Standard****ISO Data**

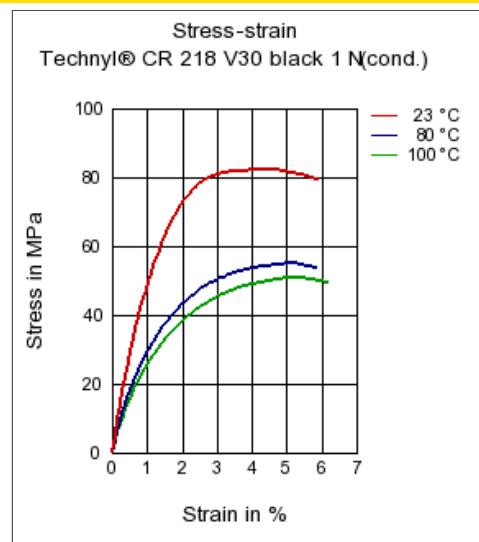
Viscosity number	145 / *	cm ³ /g	ISO 307, 1157, 1628
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Diagrams

Stress-strain



Stress-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 less than 0.2% with a dehumidified air drying equipment at approx. 80°C.

Recommended moulding conditions :

- Barrel temperatures :
feed zone 225 - 230°C