


**Technyl® C 218 MZ20 V10**

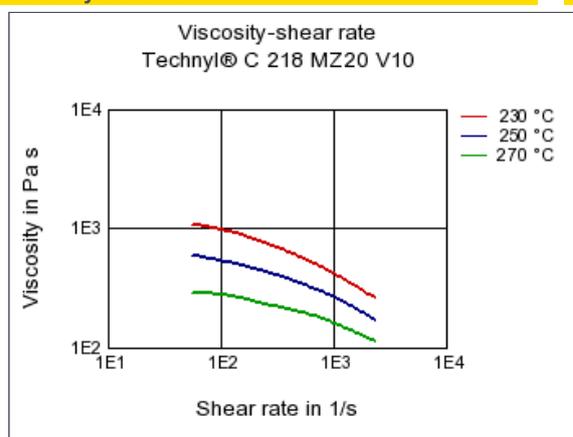
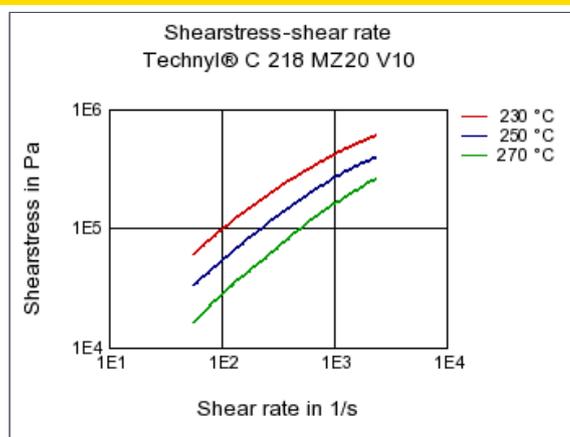
PA6-MD30

Solvay Engineering Plastics

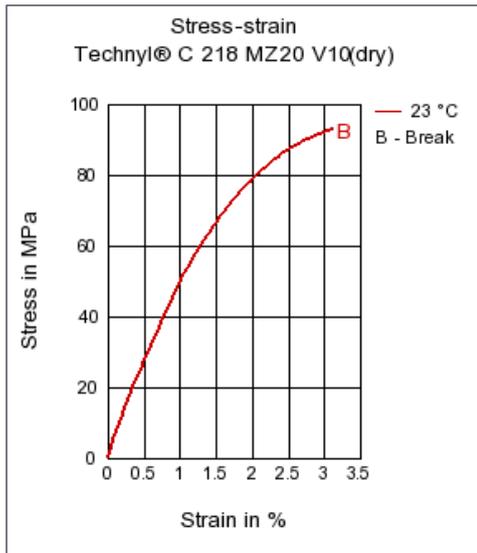
**Product Texts**

Polyamide PA6, reinforced 20 % mineral filler and 10 % of glass fibre. heat stabilised, for injection moulding.

Mechanical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	7400 / 4500	MPa	ISO 527-1/-2
Stress at break	100 / -	MPa	ISO 527-1/-2
Strain at break	3.2 / -	%	ISO 527-1/-2
Charpy impact strength (+23°C)	60 / -	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength (+23°C)	6.8 / -	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature (10°C/min)	222 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	205 / *	°C	ISO 75-1/-2
Burning behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	IEC 60695-11-10
<b>Other properties</b>			
<b>ISO Data</b>			
Density	1360 / -	kg/m <sup>3</sup>	ISO 1183

**Diagrams**
**Viscosity-shear rate**

**Shearstress-shear rate**


**Stress-strain**



**Characteristics**

**Processing**

Injection Molding

**Special Characteristics**

Heat stabilized or stable to heat

**Other text information**

**Injection Molding**

PROCESSING

Melt temperature: 225°C

Mold temperature: 80°C

**Chemical Media Resistance**

**Acids**

- ☺ Acetic Acid (5% by mass) (23°C)
- ☺ Citric Acid solution (10% by mass) (23°C)
- ☺ Lactic Acid (10% by mass) (23°C)
- ☹ Hydrochloric Acid (36% by mass) (23°C)
- ☹ Nitric Acid (40% by mass) (23°C)
- ☹ Sulfuric Acid (38% by mass) (23°C)
- ☹ Sulfuric Acid (5% by mass) (23°C)
- ☹ Chromic Acid solution (40% by mass) (23°C)

**Bases**

- ☹ Sodium Hydroxide solution (35% by mass) (23°C)
- ☺ Sodium Hydroxide solution (1% by mass) (23°C)
- ☺ Ammonium Hydroxide solution (10% by mass) (23°C)

**Alcohols**

- ☹ Isopropyl alcohol (23°C)
- ☹ Methanol (23°C)
- ☹ Ethanol (23°C)

**Hydrocarbons**

- ☺ n-Hexane (23°C)
- ☺ Toluene (23°C)
- ☺ iso-Octane (23°C)

**Ketones**

☺ Acetone (23°C)

**Ethers**

☺ Diethyl ether (23°C)

**Mineral oils**

☺ SAE 10W40 multigrade motor oil (23°C)

**Standard Fuels**

- ☹ Standard fuel without alcohol (pref. ISO 1817 Liquid C) (23°C)
- ☹ Standard fuel with alcohol (pref. ISO 1817 Liquid 4) (23°C)

**Salt solutions**

☹ Zinc Chloride solution (50% by mass) (23°C)

**Other**

- ☹ Ethylene Glycol (50% by mass) in water (108°C)
- ☺ 50% Oleic acid + 50% Olive Oil (23°C)
- ☹ Water (23°C)
- ☹ Deionized water (90°C)