

Technylstar™ S 216 V35

PA6-GF35

Solvay Engineering Plastics

Product Texts

Technylstar Polyamide, reinforced with 35% of glass fibre. for injection moulding.

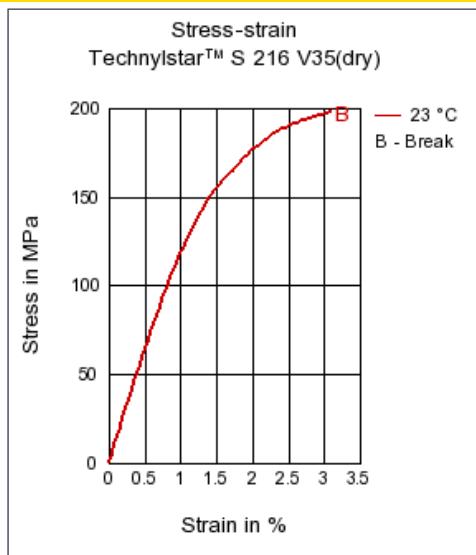
Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	10600 / 6900	MPa	ISO 527-1/-2
Stress at break	195 / -	MPa	ISO 527-1/-2
Strain at break	3 / -	%	ISO 527-1/-2
Charpy impact strength (+23°C)	81 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	13 / -	kJ/m ²	ISO 179/1eA

Thermal properties

ISO Data	dry / cond	Unit	Test Standard
Melting temperature (10°C/min)	222 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	210 / *	°C	ISO 75-1/-2
Thickness tested	1.6 / *	mm	IEC 60695-11-10

Other properties

ISO Data	dry / cond	Unit	Test Standard
Density	1410 / -	kg/m ³	ISO 1183

Diagrams**Stress-strain****Characteristics****Processing**

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

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)