


Technylstar™ S 216 V35

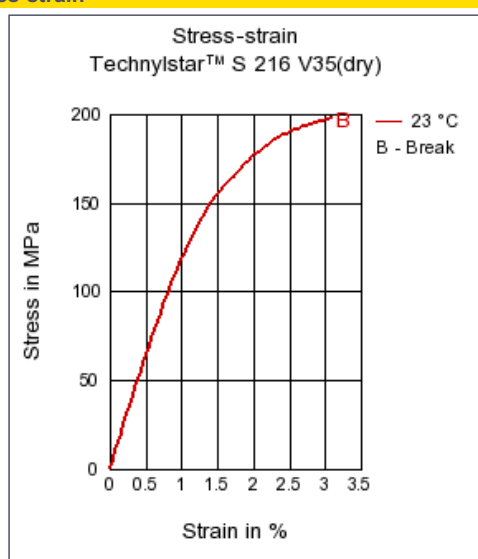
PA6-GF35

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			
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			
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)