# TECHNYL® B 216L2 V20 GREY 2533

Polyamide 66/6 Copolymer

Solvay Engineering Plastics

## Message:

TECHNYL® B 216L2 V20 Grey 2533 is a Copolyamide 66/6, reinforced with 30% of glass fibre with improved UV ageing resistance, for injection moulding. This grade offers an excellent combination between impact resistance, rigidity, thermal resistance and surface appearance.

| General Information | | | |
|---|---|---|---|
| Filler / Reinforcement | Glass fiber reinforced material, 20% filler by weight | | |
| Additive | UV stabilizer | | |
| Features | Good UV resistance<br>Good liquidity<br>Good demoulding performance<br>Excellent appearance | | |
| Uses | Industrial application<br>Consumer goods application field | | |
| Agency Ratings | EC 1907/2006 (REACH) | | |
| Appearance | Grey | | |
| Forms | Particle | | |
| Processing Method | Injection molding | | |
| Resin ID (ISO 1043) | PA66/6-GF20 | | |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Stress (Break, 23°C) | 135 | MPa | ISO 527-2/1A |
| Tensile Strain (Break, 23°C) | 2.5 | % | ISO 527-2 |
| **Impact** | **Nominal Value** | **Unit** | **Test Method** |
| Charpy Notched Impact Strength (23°C) | 4.0 | $kJ/m^2$ | ISO 179/1eA |
| Charpy Unnotched Impact Strength (23°C) | 35 | $kJ/m^2$ | ISO 179/1eU |
| **Thermal** | **Nominal Value** | **Unit** | **Test Method** |
| Melting Temperature | 242 | °C | ISO 11357-3 |
| **Injection** | **Nominal Value** | **Unit** | |
| Drying Temperature | 80 | °C | |
| Suggested Max Moisture | 0.20 | % | |
| Rear Temperature | 255 - 265 | °C | |
| Middle Temperature | 260 - 270 | °C | |
| Front Temperature | 270 - 280 | °C | |
| Mold Temperature | 70 - 100 | °C | |
| Injection instructions | | | |

The material is supplied in airtight bags, ready for use. In case that the virgin material has absorbed moisture, it must be dried with a dehumidified air drying equipment, dew point mini -20°C. Recommended time 2-4hInjection Advice:
For reinforced polyamide, Solvay recommends the use of steel with a high content of Carbon and purified for polishing to avoid or limit the abrasion. For example: X38CrMoV5-1 (EN Norm) - 1.2367 /1.2343 (DIN Norm) or X160CrMoV12 (EN Norm) - 1.2601 /1.2379 (DIN Norm). For Mould Temperature, in the case of parts where the surface roughness is required we can recommend a temperature of 90°C to 120°C with an optimum at 105°C.
The processing parameters like processing temperatures are a recommendation and can be adjusted in function of injection machine size, part geometry / design



## Recommended distributors for this material

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