

Product Texts

Partially recycled PA6 35% glass-fibre-reinforced injection moulding grade. Improved UV resistance for outdoor exposure. Black colour.

The recycled material has been developed to reduce its environmental impact in comparison to traditional virgin options. Suitable for parts requiring high stiffness and good mechanical resistance.

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	10500 / -	MPa	ISO 527
^[C] Stress at break	156 / -	MPa	ISO 527
^[C] Strain at break	2.7 / -	%	ISO 527
^[C] Charpy impact strength, +23°C	70 / -	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	10 / -	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	219 / *	°C	ISO 11357-1/-3

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Density	1420 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Delivery form

Granules, Black

Additives

Release agent

Special Characteristics

U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Certifications

Recycled Resin Content

Regional Availability

Europe

Other text information

Injection molding

The material is delivered in moisture-proof packaging ready for processing. Maximum recommended water content for best processing is 0.15%. Typical conditions with a desiccant drier: temperature 80 ° C, dew point -20 ° C or below, time 2-4 h or more. Special care must be taken to avoid moisture absorption and contamination with other polymers when adding regrind material. Colour variation and mechanical properties reduction may occur and should always be carefully monitored.

Injection Molding Processing Parameters

Melt Temperature	Mold Temperature	Injection Speed
240 - 280°C	80 - 90°C	medium-high