

Product Texts

PA66 15% glass fibre reinforced, high viscosity blow moulding grade. Highly heat stabilized, excellent thermal resistance. Black colour.

Suitable for hollow parts, such as tubes and containers. Especially developed for automotive hot side turbo air ducts when temperature can reach 210 °C. Also suitable for cooling circuit pipes.

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	4600 / -	MPa	ISO 527
^[C] Stress at break	90 / -	MPa	ISO 527
^[C] Strain at break	4.5 / -	%	ISO 527
^[C] Charpy impact strength, +23°C	70 / -	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	20 / -	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	250 / *	°C	ISO 11357-1/-3
^[C] Temp. of deflection under load, 1.80 MPa	210 / *	°C	ISO 75-1/-2
^[C] Burning Behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	-

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Volume resistivity	1E13 / 1E11	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	* / 1E10	Ohm	IEC 62631-3-2

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Density	1180 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics
Processing

Injection Molding, Blow Molding

Delivery form

Granules, Black

Special Characteristics

Heat stabilized or stable to heat

Applications

Automotive

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

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
280 - 300°C

Mold Temperature
80 - 90°C

Injection Speed
medium-high

Extrusion Temperature

260 - 280°C (barrel) 265-280°C (accumulator)