

CELANYL® B3 GF30 E GY 7035/YG

CELANYL®

Product information

Resin Identification	PA6-GF30	ISO 1043
Part Marking Code	>PA6-GF30<	ISO 11469

Rheological properties

Moulding shrinkage range, parallel	0.2 - 0.6 %	ISO 294-4, 2577
Moulding shrinkage range, normal	0.6 - 1 %	ISO 294-4, 2577

Typical mechanical properties

	dry/cond.		
Tensile modulus	9400 /-	MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	145 /-	MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.5 /-	%	ISO 527-1/-2
Charpy impact strength, 23°C	50 /-	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	7 /-	kJ/m ²	ISO 179/1eA
Poisson's ratio	0.34 /- ^[C]		
[C]: Calculated			

Thermal properties

	dry/cond.		
Melting temperature, 10°C/min	225 / *	°C	ISO 11357-1/-3
Vicat softening temperature, 50°C/h 10N	215	°C	ISO 306

Flammability

	dry/cond.		
Glow Wire Ignition Temperature, 1.5mm	700 /-	°C	IEC 60695-2-13

Electrical properties

Comparative tracking index, 100 drops	600		IEC 60112
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Physical/Other properties

	dry/cond.		
Humidity absorption, 2mm	1.8 / *	%	Sim. to ISO 62
Water absorption, 2mm	6.3 / *	%	Sim. to ISO 62
Density	1380 /-	kg/m ³	ISO 1183

Injection

Melt Temperature Optimum	250 °C
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Characteristics

Processing	Injection Moulding
Delivery form	Granules
Additives	Low halide content
Special characteristics	Heat stabilised or stable to heat, Laser Markable, High Flow