

CELANYL[®] A3 H J6 GF12 BK 9005/2 CELANYL®

Injection molding grade, easy flowing, suitable for application requiring good flexibility directly after molding, long term temperature resistance.

Product information Resin Identification Part Marking Code	PA66-I-GF12 >PA66-I-GF12<		ISO 1043 ISO 11469
Rheological properties			
Moulding shrinkage range, parallel Moulding shrinkage range, normal	0.5 - 0.8 0.8 - 1.1		ISO 294-4, 2577 ISO 294-4, 2577
Typical mechanical properties	dry/cond.		
Tensile modulus	4800/-	MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min Tensile strain at break, 5mm/min	110/- 3.8/-	MPa %	ISO 527-1/-2 ISO 527-1/-2
Charpy impact strength, 23°C	50/-	kJ/m²	ISO 179/1eU
Charpy notched impact strength, 23°C	11/-	kJ/m²	ISO 179/1eA
Poisson's ratio [C]: Calculated	0.36/- ^[C]		
Thermal properties	dry/cond.		
Melting temperature, 10°C/min	265/*	°C	ISO 11357-1/-3
Flammability	dry/cond.		
Burning Behav. at 1.5mm nom. thickn.	HB/*	class	IEC 60695-11-10
Physical/Other properties	dry/cond.		
Humidity absorption, 2mm	2/*	%	Sim. to ISO 62
Water absorption, 2mm	6.9/*	%	Sim. to ISO 62
Density	1190/-	kg/m³	ISO 1183
Injection			
Drying Recommended	yes		
Drying Temperature Drying Time, Dehumidified Dryer	80 2 - 4	°C	
Processing Moisture Content	≤0.15		
Melt Temperature Optimum		°C	
Min. melt temperature Max. melt temperature	285 305	°C °C	
Screw tangential speed		m/s	
Mold Temperature Optimum		°C	
Min. mould temperature Max. mould temperature		°C °C	
Max. modia temperature	100	0	

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Characteristics

Processing	Injection Moulding
Delivery form	Granules
Special characteristics	High impact or impact modified, Heat stabilised or stable to heat, High Flow

Automotive

OEM Stellantis STANDARD B62 0300 / 61/U4/AD1/W1/223E/13/C1 ADDITIONAL INFORMATION 01378_15_01906

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Page: 2 of 2