



CELANYL® A2 HHR J16 BK 9005/UV/2 CELANYL®

Designed for Automotive Industry, suitable for all those applications that require excellent mechanical performance, long term heat ageing and UV resistance.

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Product information			
Resin Identification	PA66-I		ISO 1043
Part Marking Code	>PA66-I<		ISO 11469
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Rheological properties			
Moulding shrinkage range, parallel	1.3 - 1.8		ISO 294-4, 2577
Moulding shrinkage range, normal	1.3 - 1.8	3 %	ISO 294-4, 2577
Typical mechanical properties	dry/cond.		
Tensile modulus	2100/-	MPa	ISO 527-1/-2
Tensile stress at yield, 50mm/min	55/-	MPa	ISO 527-1/-2
Tensile strain at yield, 50mm/min	9/-	%	ISO 527-1/-2
Tensile stress at break, 50mm/min	45/-	MPa	ISO 527-1/-2
Tensile strain at break, 50mm/min	45/-	% MD=	ISO 527-1/-2
Flexural modulus Charpy impact strength, 23°C	1900/- >60/-	MPa kJ/m²	ISO 178 ISO 179/1eU
Charpy notched impact strength, 23°C	25/-	kJ/m²	ISO 179/1eA
Izod notched impact strength, 23 °C	21/-	kJ/m²	ISO 180/1A
Izod notched impact strength, -30°C	11.0/-	kJ/m²	ISO 180/1A
Poisson's ratio	0.4/- ^[C]		
[C]: Calculated			
Thermal properties	dry/cond.		
Melting temperature, 10°C/min	265/*	°C	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	50/*	°C	ISO 75-1/-2
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Flammability	dry/cond.		
Burning Behav. at 1.5mm nom. thickn.	HB/*	class	IEC 60695-11-10
Physical/Other properties	dry/cond.		
Humidity absorption, 2mm	1.9/*	%	Sim. to ISO 62
Water absorption, 2mm	6.8/*	%	Sim. to ISO 62
Density	1080/-	kg/m³	ISO 1183
Injection			
Drying Recommended	yes		
Drying Temperature) °C	
Drying Time, Dehumidified Dryer	2 - 4		
Processing Moisture Content	≤0.15 %		
Melt Temperature Optimum	290 °C		
Min. melt temperature		°C	
Max. melt temperature		°C	
Screw tangential speed	≤0.3	3 m/s	

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Revised: 2024-08-16 Source: Celanese Materials Database





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Mold Temperature Optimum80 °CMin. mould temperature50 °CMax. mould temperature100 °C

Characteristics

Processing Injection Moulding

Delivery form Granules

Special characteristics High impact or impact modified, U.V. stabilised or stable to weather, Heat stabilised

or stable to heat, Hydrolysis resistant, High Flow

Automotive

OEM STANDARD ADDITIONAL INFORMATION

Renault UB15, No Spec, Special Part Approval, See

Your CE Account Manager.

Stellantis B62 0300 / 61/31/U4/AD1/W1/219E/13/C1 01378_15_02001

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