



CELANYL® A2 H J10 BK 9005/A

CELANYL®

General purpose grade, suitable for any technical applications requiring medium impact resistance and flexibility. UL listed HB@0.75mm.

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Resin Identification	PA66-I	ISO 1043
Part Marking Code	>PA66-I<	ISO 11469
Continuous Service Temperature	120 °C	IEC 60216-1

Rheological properties

Moulding shrinkage range, parallel	1.2 - 1.6 %	ISO 294-4, 2577
Moulding shrinkage range, normal	1.2 - 1.6 %	ISO 294-4, 2577

dry/cond.

Typical mechanical properties

Tensile modulus	2200 / 1150 ^[C]	MPa	ISO 527-1/-2
Tensile stress at yield, 50mm/min	55/30 ^[C]	MPa	ISO 527-1/-2
Tensile strain at yield, 50mm/min	5/10 ^[C]	%	ISO 527-1/-2
Tensile strain at break, 50mm/min	30/- ^[C]	%	ISO 527-1/-2
Flexural modulus	2000/-	MPa	ISO 178
Flexural strength	75/-	MPa	ISO 178
Charpy impact strength, 23°C	$N/N^{[C]}$	kJ/m²	ISO 179/1eU
Charpy notched impact strength, 23°C	18/N ^[C]	kJ/m²	ISO 179/1eA
Izod notched impact strength, 23°C	16/-	kJ/m²	ISO 180/1A
Izod notched impact strength, -30°C	7.5/-	kJ/m²	ISO 180/1A
Poisson's ratio	0.39/0.44 ^[C]		

Thermal properties

Melting temperature, 10°C/min	265/*	°C	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	65/*	°C	ISO 75-1/-2
Temperature of deflection under load, 0.45 MPa	190/*	°C	ISO 75-1/-2

dry/cond.

dry/cond.

dry/cond.

Flammability

[C]: Calculated

Burning Behav. at thickness h	HB/*	class	IEC 60695-11-10
Thickness tested	3.2/*	mm	IEC 60695-11-10
UL recognition	yes/*		UL 94

Physical/Other properties

Humidity absorption, 2mm	1.2/*	%	Sim. to ISO 62
Water absorption, 2mm	7.2/*	%	Sim. to ISO 62
Density	1090/-	kg/m³	ISO 1183

Characteristics

Processing Injection Moulding

Delivery form Granules

Special characteristics High impact or impact modified, Heat stabilised or stable to heat

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Automotive

OEM STANDARD ADDITIONAL INFORMATION

VW Group VW 50127 *Best Fitting Grade To PA66-2, Not Officially

Approved

VW Group VW 50133 *Best Fitting Grade To PA66-2-A, Not Officially

Approved

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