

Celanyl® A2 HHR J16 BK 9005/UV/2

Polyamide 66

Celanese Corporation

PROSPECTOR®

www.ulprospector.com

Technical Data

Product Description

Polyamide 66 compound, elastomer modified, Heat and UV stabilized.

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

General

Material Status	• Commercial: Active		
Literature ¹	• Technical Datasheet		
Search for UL Yellow Card	• Celanese Corporation • Celanyl®		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Impact Modifier		
Features	• Good Heat Resistance	• Impact Modified	• UV Resistant
Uses	• Automotive Applications		
Forms	• Granules		
Processing Method	• Injection Molding		

Physical	Nominal Value Unit	Test Method
Density	1.08 g/cm ³	ISO 1183
Molding Shrinkage		ISO 294-4
Across Flow	1.3 to 1.8 %	
Flow	1.3 to 1.8 %	
Water Absorption		ISO 62
Saturation, 23°C	6.8 %	
Equilibrium, 23°C, 50% RH	1.9 %	

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	2100 MPa	ISO 527-1
Tensile Stress		ISO 527-2/50
Yield	55.0 MPa	
Break	45.0 MPa	
Tensile Strain		ISO 527-2/50
Yield	> 10 %	
Break	> 35 %	
Flexural Modulus (23°C)	1900 MPa	ISO 178

Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength (23°C)	25 kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	> 60 kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength		ISO 180/1A
-30°C	11 kJ/m ²	
23°C	21 kJ/m ²	

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load		ISO 75-2/A
1.8 MPa, Unannealed	50.0 °C	
Melting Temperature ³	265 °C	ISO 11357-3

Flammability	Nominal Value Unit	Test Method
Flame Rating (1.6 mm)	HB	UL 94

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

³ 20°C/min



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Where to Buy

Supplier

Celanese Corporation

Florence, Florence USA

Telephone: 800-833-4882

Web: <https://www.celanese.com/>

Distributor

Amco Polymers

Telephone: 800-262-6685

Web: <http://www.amcopolymers.com/>

Availability: North America

RESINEX Group

RESINEX is a Pan European distribution company. Contact RESINEX for availability of individual products by country.

Telephone: +32-14-672511

Web: <http://www.resinex.com/>

Availability: Europe

SNETOR

SNETOR is a Pan European distribution company. Contact SNETOR for availability of individual products by country.

Telephone: +33-1-4904-8888

Web: <http://www.snetor.com/>

Availability: Bulgaria, Croatia, Czech Republic, France, Hungary, Poland, Romania, Serbia, Slovakia, Slovenia

