

Ultramid® A 3WG10 BK00564

Polyamide 66

BASF Corporation

Product Description

Ultramid A3WG10 BK00564 is a 50% glass fiber reinforced and heat aging resistance injection molding PA66 grade.

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber Reinforcement, 50% Filler by Weight
Features	• Good Heat Aging Resistance • High Rigidity • Oil Resistant
Uses	• Industrial Applications
RoHS Compliance	• RoHS Compliant
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	1550	kg/m ³	ISO 1183 ²
Water Absorption			ISO 62 ²
Saturation	4.0	%	
Equilibrium	12	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile modulus	14700	MPa	ISO 527-2 ²
Tensile Stress (Break)	254	MPa	ISO 527-2 ²
Tensile Strain (Break)	2.5	%	ISO 527-2 ²
Flexural Modulus (23°C)	16100	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	15.0	kJ/m ²	ISO 180

Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	260	°C	ISO 3146

Injection	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	2.0 to 4.0	hr
Suggested Max Moisture	0.12	%
Processing (Melt) Temp	280 to 305	°C
Mold Temperature	80.0 to 90.0	°C
Injection Pressure	3.50 to 12.5	MPa
Injection Rate	Fast	

Notes

¹ Typical properties: these are not to be construed as specifications.

² Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.

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如需要更多物性资料请查阅 www.kedisujiao.com

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