

Ultramid® A 3WG5 BK00564

Polyamide 66

BASF Corporation

Product Description

Ultramid A3WG5 BK00564 is a 25% glass fiber reinforced, pigmented black and heat resistance injection molding PA66 grade.

General

Material Status	• Commercial: Active
Availability	• Europe • North America
Filler / Reinforcement	• Glass Fiber Reinforcement, 25% Filler by Weight
Features	• Good Dimensional Stability • Good Thermal Aging Resistance • Low Viscosity • Good Flow • High Rigidity • Oil Resistant
Uses	• Housings
RoHS Compliance	• RoHS Compliant
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

Physical

	Nominal Value	Unit	Test Method
Density	1320	kg/m ³	ISO 1183 ²
Water Absorption			
24 hr, 23°C	1.9	%	ISO 62
Saturation	6.0	%	ISO 62 ²
Equilibrium	1.9	%	ISO 62 ²

Mechanical

	Nominal Value	Unit	Test Method
Tensile modulus	8100	MPa	ISO 527-2 ²
Tensile Stress (Break)	150	MPa	ISO 527-2 ²
Tensile Strain (Break)	2.7	%	ISO 527-2 ²
Flexural Modulus (23°C)	7480	MPa	ISO 178

Impact

	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	6.70	kJ/m ²	ISO 180

Thermal

	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa)	250	°C	ISO 75-2 ²
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.

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

如需要更多物性资料请查阅 www.kedisujiao.com

备注：以上原料物性数据由厂家发布,我公司仅提供参考！数据如有变动，请联系原料生产厂家获知。我公司不承担任何法律责任！