

Ultramid® A 3WG5 (Cond)

Polyamide 66

BASF Corporation

Product Description

Ultramid A3WG5 is a 25% glass fiber reinforced 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 • Machine/Mechanical Parts
RoHS Compliance	• RoHS Compliant
Appearance	• Black • Colors Available • Natural Color
Forms	• Pellets
Processing Method	• Injection Molding
Multi-Point Data	• Creep Modulus vs. Time (ISO 11403-1) • Isothermal Stress vs. Strain (ISO 11403-1) • Isochronous Stress vs. Strain (ISO 11403-1) • Secant Modulus vs. Strain (ISO 11403-1)

Mechanical	Nominal Value	Unit	Test Method
Tensile modulus	6500	MPa	ISO 527-2 ²
Tensile Strength			
Break, 23°C	118	MPa	ASTM D638
Break	120	MPa	ISO 527-2 ²
Tensile Elongation			
Break, 23°C	5.0	%	ASTM D638
Break	6.0	%	ISO 527-2 ²
Flexural Modulus (23°C)	5380	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Charpy notched impact strength (23°C)	20.0	kJ/m ²	ISO 179/1eA ²
Charpy Unnotched Impact Strength (23°C)	90	kJ/m ²	ISO 179

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity ³	1.0E+10	ohms	ASTM D257
Volume Resistivity (1.50 mm)	1.0E+10	ohm·cm	ASTM D257

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.

³ 1.5 mm

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

如需要更多物性资料请查阅 www.kedisujiao.com

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