

Ultramid® A 3WG7 (Cond)

Polyamide 66

BASF Corporation

Product Description

Ultramid A3WG7 is a 35% glass fiber reinforced and heat resistance injection molding PA66 grade for machinery for industrial items.

General

Material Status	• Commercial: Active		
Availability	• North America		
Filler / Reinforcement	• Glass Fiber Reinforcement, 35% Filler by Weight		
Additive	• Heat Stabilizer		
Features	• Good Dimensional Stability • Good Flow • Good Thermal Aging Resistance	• Heat Stabilized • High Rigidity • Low Viscosity	• Oil Resistant
Uses	• Automotive Applications	• Gears	• Housings
RoHS Compliance	• RoHS Compliant		
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		

Mechanical	Nominal Value	Unit	Test Method
Tensile modulus	8500	MPa	ISO 527-2 ²
Tensile Stress			
Break, 80°C	93.0	MPa	ISO 527-2
Break, 121°C	77.0	MPa	ISO 527-2
Break	150	MPa	ISO 527-2 ²
Tensile Strain (Break)	5.0	%	ISO 527-2 ²
Flexural Modulus (23°C)	8480	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy notched impact strength (23°C)	22.0	kJ/m ²	ISO 179/1eA ²
Charpy Unnotched Impact Strength (23°C)	110	kJ/m ²	ISO 179

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity ³	1.1E+3	ohms	ASTM D257
Volume Resistivity (1.50 mm)	1.0E+11	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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