

Ultramid® B 3WG10 (Cond)

Polyamide 6

BASF Corporation

Product Description

Ultramid B3WG10 is a 50% glass fiber reinforced injection molding PA6 grade.

Typical applications include highly rigid, dimensionally stable components which are resistant to high temperature aging and have improved retention of properties in a hot water environment.

General

Material Status	• Commercial: Active
Availability	• Europe
Filler / Reinforcement	• Glass Fiber Reinforcement, 50% Filler by Weight
Features	• Good Heat Aging Resistance • High Rigidity
RoHS Compliance	• RoHS Compliant
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	1.55	g/cm ³	ISO 1183
Water Absorption			ISO 62
Saturation, 23°C	4.8	%	
Equilibrium, 23°C, 50% RH	1.5	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	11000	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	160	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	5.5	%	ISO 527-2

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	30	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	110	kJ/m ²	ISO 179/1eU

Notes

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

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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