

Ultramid® A 3HG7 (Cond)

Polyamide 66

BASF Corporation

Product Description

Ultramid A3HG7 is a 35% glass fiber reinforced injection molding PA66 grade.

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber Reinforcement, 35% Filler by Weight
Features	• Electrically Insulating • High Heat Resistance • Oil Resistant • Good Dimensional Stability • High Stiffness
Uses	• Electronic Insulation • 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)	150	MPa	ISO 527-2 ²
Tensile Strain (Break)	5.0	%	ISO 527-2 ²

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

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.

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