

Ultramid® A 3X2G7 (Cond)

Polyamide 66

BASF Corporation

Product Description

Ultramid A3X2G7 is a 35% glass fiber reinforced injection molding PA66 grade with improved flame retardance and enhanced long-term stability. Flame retardant based on red phosphorus; very high stiffness and strength; outstanding mechanical and electrical properties.

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber Reinforcement, 35% Filler by Weight
Additive	• Flame Retardant • Mold Release
Features	• Flame Retardant • Good Stability • Oil Resistant
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	68.0	MPa	ISO 527-2
Break	120	MPa	ISO 527-2 ²
Tensile Strain (Break)	4.0	%	ISO 527-2 ²
Impact	Nominal Value	Unit	Test Method
Charpy notched impact strength (23°C)	18.0	kJ/m ²	ISO 179/1eA ²
Charpy Unnotched Impact Strength (23°C)	70	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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