

Ultramid® A 3EG7 (Cond)

Polyamide 66

BASF Corporation

Product Description

Ultramid A3EG7 is a 35% glass fiber reinforced injection molding PA66 grade for machinery components and housings of high stiffness and dimensional stability.

General

Material Status	• Commercial: Active
Availability	• Europe • North America
Filler / Reinforcement	• Glass Fiber Reinforcement, 35% Filler by Weight
Additive	• Heat Stabilizer
Features	• Good Colorability • Good Thermal Aging Resistance • Good Dimensional Stability • Good Weather Resistance • Good Flow • Heat Stabilized
Uses	• Automotive Applications • Automotive Electronics • Automotive Under the Hood • Connectors • Electrical Housing • Electrical Parts • Gears • Housings • Industrial Applications • Machine/Mechanical Parts
Agency Ratings	• NSF 14 • NSF 61
RoHS Compliance	• RoHS Compliant
Appearance	• 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) • Shear Modulus vs. Temperature (ISO 11403-2)

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
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	1.0E+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

备注：以上原料物性数据由厂家发布,我公司仅提供参考！数据如有变动，请联系原料生产厂家获知。我公司不承担任何法律责任！