

Ultramid® B 35EG3 (Cond)

Polyamide 6

BASF Corporation

Product Description

Glass fibre reinforced injection moulding grade e.g. for internal gas pressure applications such as flashing direction switch gears, automobile mirror housings and wheels of mountain bikes.

General

Material Status	• Commercial: Active
Availability	• Europe
Filler / Reinforcement	• Glass Fiber Reinforcement, 15% Filler by Weight
Features	• Oil Resistant
Uses	• Gears • Housings • Wheels
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Extrusion • 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)

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	3500	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	70.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	18	%	ISO 527-2
Tensile Creep Modulus (1000 hr)	2100	MPa	ISO 899-1
Flexural Modulus (23°C)	2500	MPa	ISO 178
Flexural Strength (23°C)	100	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	25	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	110	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength (23°C)	16.0	kJ/m ²	ISO 180/1A

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+10	ohms	IEC 60093
Volume Resistivity	1.0E+12	ohm·cm	IEC 60093
Relative Permittivity (23°C, 1 MHz)	7.00		IEC 60250
Dissipation Factor (23°C, 1 MHz)	0.24		IEC 60250

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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