Ultramid® B 3WG10 BK564 (Cond)

Polyamide 6

BASF Corporation

Product Description
Glass fibre reinforced and heat aging resistance injection moulding grade for industrial articles having very high rigidity.

General			
Material Status	• Commercial: Active		
Availability	• Europe		
Filler / Reinforcement	• Glass Fiber Reinforcement, 50% Filler by Weight		
Features	• Good Heat Aging Resistance	• High Rigidity	• Oil Resistant
Uses	• Industrial Applications		
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	11000	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	150	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	4.5	%	ISO 527-2
Tensile Creep Modulus (1000 hr)	7400	MPa	ISO 899-1
Flexural Modulus (23°C)	10000	MPa	ISO 178
Flexural Strength (23°C)	220	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	27	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	100	kJ/m²	ISO 179/1eU
Notched Izod Impact Strength (23°C)	24.0	kJ/m²	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)	6.10		IEC 60250
Dissipation Factor (23°C, 1 MHz)	0.14		IEC 60250

Notes

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