

Ultramid® B 3WGM24 BK30564 (Cond) Polyamide 6

Product Description
Ultramid B3WGM24 BK30564 is a 30% glass/mineral reinforced heat stabilized injection molding PA6 grade for industrial articles having medium to high rigidity and high dimensional stability.

General			
Material Status	• Commercial: Active		
Availability	• North America		
Filler / Reinforcement	• Glass\Mineral, 30% Filler by Weight		
Additive	• Heat Stabilizer		
Features	• Good Abrasion Resistance • Good Chemical Resistance • Good Dimensional Stability • Good Flow • Good Processability	• Good Stiffness • Good Thermal Aging Resistance • Heat Stabilized • High Rigidity • Low Viscosity	• Low Warpage • Oil Resistant • Semi Crystalline
Uses	• Automotive Applications	• Automotive Under the Hood	• Housings
RoHS Compliance	• RoHS Compliant		
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Injection Molding		

Mechanical	Nominal Value	Unit	Test Method
Tensile modulus	4200	MPa	ISO 527-2 ²
Tensile Stress (Break)	55.0	MPa	ISO 527-2 ²
Tensile Strain (Break)	10	%	ISO 527-2 ²

Impact	Nominal Value	Unit	Test Method
Charpy notched impact strength			ISO 179/1eA ²
-30°C	5.00	kJ/m ²	
23°C	13.0	kJ/m ²	
Charpy impact strength			ISO 179/1eU ²
-30°C	45.0	kJ/m ²	
23°C	60.0	kJ/m ²	
Notched Izod Impact Strength (23°C)	13.0	kJ/m ²	ISO 180

Thermal	Nominal Value	Unit	Test Method
CLTE - Transverse	0.000080	cm/cm/°C	ISO 11359-2

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.

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