Product Information

Ultramid® B3WGM24 BK30564
Polyamide 6

BASF
The Chemical Company

Product Description

Ultramid B3WGM24 BK30564 is a 30% glass/mineral reinforced heat stabilized to high rigidity and high dimensional stability.

Applications

Typical applications include automobile engine covers, housings and automotive door handles.

PHYSICAL	ISO Test Method	Property Value	
Density, g/cm	1183	1.37	
Moisture, %	62		
(50% RH)		2.3	
(Saturation)		7.2	
MECHANICAL	**ISO Test Method**	**Dry**	**Conditioned**
Tensile Modulus, MPa	527		
23C		9,300	4,200
Tensile stress at break, MPa	527		
23C		120	55
Tensile strain at break, %	527		
23C		3	10
Flexural Strength, MPa	178		
23C		180	-
Flexural Modulus, MPa	178		
23C		8,400	-
Ball Indentation, MPa	2039-1	205	-
IMPACT	**ISO Test Method**	**Dry**	**Conditioned**
Izod Notched Impact, kJ/m^2	180		
23C		5.5	13
Charpy Notched, kJ/m^2	179		
23C		7	13
-30C		5	5
Charpy Unnotched, kJ/m^2	179		
23C		52	60
-30C		50	45
THERMAL	**ISO Test Method**	**Dry**	**Conditioned**
Melting Point, C	3146	220	-
HDT A, C	75	195	-
HDT B, C	75	215	-
Coef. of Linear Thermal Expansion, Normal, mm/mm C		0.36 X10-4	0.8 X10-4
ELECTRICAL	**ISO Test Method**	**Dry**	**Conditioned**
Comparative Tracking Index	IEC 60112	400	-
Volume Resistivity	IEC 60093	1E13	-
Dielectric Constant (1 MHz)	IEC 60250	3.9	6.2
Dissipation Factor (1 MHz)	IEC 60250	200	2,000