

Ultramid® B3G8 BK00564

Polyamide 6

Product Description

Ultramid B3G8 BK00564 is a 40% glass reinforced, pigmented black, injection molding PA6 grade.

Applications

Typical applications include pedals/pedal module.

PHYSICAL	ISO Test Method	Property Value	
Density, g/cm	1183	1.46	
Moisture, %	62		
(50% RH)		1.8	
(Saturation)		5.7	
MECHANICAL	ISO Test Method	Dry	Conditioned
Tensile Modulus, MPa	527		
23C		13,000	8,200
Tensile stress at break, MPa	527		
23C		205	135
Tensile strain at break, %	527		
23C		2.8	4.6
Flexural Modulus, MPa	178		
23C		10,500	7,400
Ball Indentation, MPa	2039-1	160	-
IMPACT	ISO Test Method	Dry	Conditioned
Charpy Notched, kJ/m ²	179		
23C		14	22
-30C		11	-
Charpy Unnotched, kJ/m ²	179		
23C		90	105
-30C		75	-
THERMAL	ISO Test Method	Dry	Conditioned
Melting Point, C	3146	220	-
HDT A, C	75	215	-
HDT B, C	75	220	-
Coef. of Linear Thermal Expansion, Parallel, mm/mm C		0.17 X10-4	-
ELECTRICAL	ISO Test Method	Dry	Conditioned
Comparative Tracking Index	IEC 60112	550	-
Volume Resistivity	IEC 60093	1E13	-
Dissipation Factor (100 Hz)	IEC 60250	140	-
Dielectric Strength, KV/mm	IEC 60243-1	4	-

