

Ultramid® B3M6 BK60564

Polyamide 6

ultramid B3M6 BK60564 is a 30% mineral reinforced, pigmented black injection molding PA6 grade for industrial items requiring high impact strength and very high dimensional stability, excellent laser markability.

Applications

Typical applications include industrial items.

PHYSICAL	ISO Test Method	Property Value	
Density, g/cm ³	1183	1.36	
Moisture, %	62		
(50% RH)		2.4	
(Saturation)		6.2	
MECHANICAL	ISO Test Method	Dry	Conditioned
Tensile Modulus, MPa	527		
23°C		3,700	-
Tensile stress at break, MPa	527		
23°C		85	-
Tensile strain at break, %	527		
23°C		4.9	-
Flexural Modulus, MPa	178		
23°C		3,270	-
IMPACT	ISO Test Method	Dry	Conditioned
Izod Notched Impact, kJ/m²	180		
-40°C		4	-

23°C		5.5	-
Charpy Notched, kJ/m²	179		
23°C		5.6	-
THERMAL	ISO Test Method	Dry	Conditioned
Melting Point, °C	3146	220	-
HDT A, ° C	75	70	-
HDT B, ° C	75	160	-
ELECTRICAL	ISO Test Method	Dry	Conditioned
Volume Resistivity (Ohm-m)	IEC 60093	>1E13	-

Note

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