

Ultramid® B3M6 BK60564

Polyamide 6



Product Description

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	ASTM Test Method	Property Value	
Specific Gravity	D-792	1.36	
Mold Shrinkage (1/8" bar, in/in)		0.009	
Moisture, %	D-570		
(50% RH)		2.4	
(Saturation)		6.2	
MECHANICAL	ASTM Test Method	Dry	Conditioned
Tensile Strength, Break, MPa (psi)	D-638		
23C (73F)		85 (12,300)	-
Elongation, Break, %	D-638		
23C (73F)		4.9	-
IMPACT	ASTM Test Method	Dry	Conditioned
Notched Izod Impact, J/M (ft-lbs/in)	D-256		
-40C (-40F)		45 (0.8)	-
23C (73F)		64 (1.2)	150 (2.8)
THERMAL	ASTM Test Method	Dry	Conditioned
Melting Point, C(F)	D-3418	220 (428)	-
Heat Deflection @ 264 psi (1.8 MPa) C(F)	D-648	120 (248)	-
Heat Deflection @ 66 psi (.45 MPa) C(F)	D-648	195 (383)	-
ELECTRICAL	ASTM Test Method	Dry	Conditioned
Volume Resistivity, 1.5 mm	D-257	>1E13	-

Note

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