

Ultramid® B3GM35 BKQ642 23220 Polyamide 6



Product Description

Ultramid B3GM35 BKQ642 23220 is a 40% combined glass-fiber and mineral reinforced, pigmented black injection molding PA6 grade.

Applications

Typical applications include industrial articles requiring medium rigidity and high dimensional stability.

PHYSICAL	ASTM Test Method	Property Value	
Specific Gravity	D-792	1.48	
Mold Shrinkage (1/8" bar, in/in)		0.004	
Moisture, %	D-570		
(50% RH)		1.7	
(Saturation)		5.7	
MECHANICAL	ASTM Test Method	Dry	Conditioned
Tensile Strength, Break, MPa (psi)	D-638		
23C (73F)		130 (18,900)	65 (9,430)
Elongation, Break, %	D-638		
23C (73F)		2.7	-
IMPACT	ASTM Test Method	Dry	Conditioned
Notched Izod Impact, J/M (ft-lbs/in)	D-256		
-40C (-40F)		40 (0.7)	-
23C (73F)		53 (1.0)	134 (2.5)
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	200 (392)	-
Heat Deflection @ 66 psi (.45 MPa) C(F)	D-648	215 (419)	-
ELECTRICAL	ASTM Test Method	Dry	Conditioned
Volume Resistivity, 1.5 mm	D-257	>1E13	-

