

Ultramid® B3GM35 Q643

Polyamide 6

Product Description

Ultramid B3GM35 Q643 is a 40% combined glass-fiber and mineral reinforced 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)		123 (17,800)	-
Elongation, Break, %	D-638		
23C (73F)		2.6	-
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	198 (388)	-

