

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	ISO Test Method	Property Value	
Density, g/cm	1183	1.48	
Moisture, %	62		
(50% RH)		1.7	
(Saturation)		5.7	
MECHANICAL	ISO Test Method	Dry	Conditioned
Tensile Modulus, MPa	527		
23C		7,960	-
Tensile stress at break, MPa	527		
23C		123	-
Tensile strain at break, %	527		
23C		2.7	-
Flexural Modulus, MPa	178		
23C		7,500	-
IMPACT	ISO Test Method	Dry	Conditioned
Izod Notched Impact, kJ/m ²	180		
23C		4.8	-
Charpy Notched, kJ/m ²	179		
23C		4.1	-
THERMAL	ISO Test Method	Dry	Conditioned
Melting Point, C	3146	220	-
HDT A, C	75	199	-

