

Ultramid® B3G8

Polyamide 6

Product Description

Ultramid B3G8 is heat stabilized, pigmented black, 40% glass reinforced PA6 injection molding compound offering the highest level of strength, stiffness, and dimensional stability.

Applications

Ultramid B3G8 is generally recommended for applications such as consumer power tool housings, cattle ear taggers, luggage frames, fans and pressure regulator housings.

PHYSICAL	ISO Test Method	Property Value	
Density, g/cm	1183	1.44	
MECHANICAL	ISO Test Method	Dry	Conditioned
Tensile Modulus, MPa	527		
23C		12,600	-
Tensile stress at break, MPa	527		
23C		200	-
Tensile strain at break, %	527		
23C		2.5	-
Flexural Modulus, MPa	178		
23C		11,200	-
IMPACT	ISO Test Method	Dry	Conditioned
Izod Notched Impact, kJ/m ²	180		
23C		12	-
-40C		10	-
Charpy Notched, kJ/m ²	179		
23C		12	-
-30C		9	-
Charpy Unnotched, kJ/m ²	179		
23C		80	-
-30C		70	-
THERMAL	ISO Test Method	Dry	Conditioned
Melting Point, C	3146	220	-
HDT A, C	75	210	-
Coef. of Linear Thermal Expansion, Parallel, mm/mm C		0.17 X10-4	-
Coef. of Linear Thermal Expansion, Normal, mm/mm C		0.78 X10-4	-

