

Ultramid® 8267G HS BK-106

Polyamide 6

Product Description

Ultramid 8267G HS BK-106 is a heat stabilized, weather resistant, 40% mineral and glass fiber reinforced PA6 injection molding compound with improved UV resistance and sink mark resistance. The combination of mineral and glass fibers result in a high performance, low warp and cost effective engineering thermoplastic. It exhibits high strength, good UV resistance, rigidity and good heat distortion temperatures. It has a relatively high resistance to creep under load. The heat stabilizer system extends its retention of properties at elevated temperatures. It has good chemical resistance to greases, oils and hydrocarbons.

Applications

Ultramid 8267G HS BK-106 is generally recommended for applications such as rotors, wheels, rims, timing belt covers, automotive cooling fans, shrouds and all external parts exposed to the environment.

PHYSICAL	ISO Test Method	Property Value	
Density, g/cm	1183	1.48	
Moisture, %	62		
(24 Hour)		0.9	
(50% RH)		1.6	
(Saturation)		5.7	
MECHANICAL	ISO Test Method	Dry	Conditioned
Tensile Modulus, MPa	527		
-40C		10,790	-
23C		9,200	-
80C		3,090	-
121C		2,620	-
Tensile stress at break, MPa	527		
-40C		178	-
23C		115	-
80C		59	-
121C		51	-
Tensile strain at break, %	527		
23C		2	-
Flexural Strength, MPa	178		
23C		178	-
Flexural Modulus, MPa	178		
23C		7,200	-
IMPACT	ISO Test Method	Dry	Conditioned
Izod Notched Impact, kJ/m ²	180		
23C		6	-
-40C		4	-
Charpy Notched, kJ/m ²	179		
23C		5.5	-
Charpy Unnotched, kJ/m ²	179		



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23C		46	-	
THERMAL		ISO Test Method	Dry	Conditioned
Melting Point, C		3146	220	-
HDT A, C		75	200	-
HDT B, C		75	215	-

