

Ultramid® 8231G HS BK-106

Polyamide 6



Product Description

Ultramid 8231G HS BK-106 is a black pigmented heat stabilized, 15% glass fiber reinforced PA6 injection molding compound. The glass fiber reinforcement enhances performance such as strength, stiffness and heat deflection temperature. The heat stabilizer system extends the properties at elevated temperatures. It also has excellent chemical resistance to greases, oils and hydrocarbons.

Applications

Ultramid 8231G HS BK-106 is ideally suited for more demanding performance applications such as washers, gears, engine and motor parts, chutes, and higher temperature environments.

PHYSICAL	ISO Test Method	Property Value	
Density, g/cm	1183	1.23	
Moisture, %	62		
(24 Hour)		1.4	
(50% RH)		2.3	
(Saturation)		8.1	
MECHANICAL	ISO Test Method	Dry	Conditioned
Tensile Modulus, MPa	527		
23C		5,800	-
Tensile stress at break, MPa	527		
23C		118	-
Tensile strain at break, %	527		
23C		2.9	-
Flexural Modulus, MPa	178		
23C		5,300	-
IMPACT	ISO Test Method	Dry	Conditioned
Izod Notched Impact, kJ/m ²	180		
23C		3.8	-
Charpy Notched, kJ/m ²	179		
23C		4	-
THERMAL	ISO Test Method	Dry	Conditioned
Melting Point, C	3146	220	-
HDT A, C	75	198	-

