

Nypel® 6030G HS DB BK5830

Polyamide 6

Product Description

Nypel 6030G HS DB BK5830 is a 30% glass fiber reinforced, heat stabilized, black injection molding PA6 compound.

Applications

Nypel 6030G HS DB BK5830 is generally recommended for applications such as bolts, racks, automotive underhood components, pressure regulator housings and caps.

PHYSICAL	ISO Test Method	Property Value	
Density, g/cm	1183	1.38	
Moisture, %	62		
(50% RH)		1.9	
(Saturation)		6.7	
RHEOLOGICAL	ISO Test Method	Dry	Conditioned
Melt Volume Rate (275 C/5 Kg), cc/10min.	1133	34	-
MECHANICAL	ISO Test Method	Dry	Conditioned
Tensile Modulus, MPa	527		
23C		9,330	-
Tensile stress at break, MPa	527		
23C		157	-
Tensile strain at break, %	527		
23C		2.8	-
Flexural Strength, MPa	178		
23C		241	-
Flexural Modulus, MPa	178		
23C		9,090	-
IMPACT	ISO Test Method	Dry	Conditioned
Izod Notched Impact, kJ/m ²	180		
23C		6.5	-
Charpy Notched, kJ/m ²	179		
23C		6.4	-
Charpy Unnotched, kJ/m ²	179		
23C		51	-
THERMAL	ISO Test Method	Dry	Conditioned
Melting Point, C	3146	220	-
HDT A, C	75	204	-
HDT B, C	75	215	-

