Product Information

Ultramid® 8235G HS BK-102
Polyamide 6

BASF
The Chemical Company

Product Description

Ultramid 8235G HS BK-102 is a heat stabilized, pigmented black, 50% glass fiber reinforced PA6 injection molding compound offering excellent level of strength, stiffness, high temperature performance and dimensional stability. Its resistance to creep under load is excellent. It is available in natural, black, weather resistance and pigmented versions.

Applications

Ultramid 8235G HS BK-102 is generally recommended for applications such as power tool housings, cattle ear taggers, luggage frames, fans and pressure regulator housings.

PHYSICAL	ISO Test Method	Property Value	
Density, g/cm	1183	1.56	
Moisture, %	62		
(50% RH)		1.4	
(Saturation)		4.8	
MECHANICAL	**ISO Test Method**	**Dry**	**Conditioned**
Tensile Modulus, MPa	527		
23C		15,800	8,910
Tensile stress at break, MPa	527		
23C		210	145
Tensile strain at break, %	527		
23C		2	6
Flexural Strength, MPa	178		
23C		300	-
Flexural Modulus, MPa	178		
23C		13,200	-
IMPACT	**ISO Test Method**	**Dry**	**Conditioned**
Izod Notched Impact, kJ/m^2	180		
23C		15	-
-40C		12	-
Charpy Notched, kJ/m^2	179		
23C		15	-
Charpy Unnotched, kJ/m^2	179		
23C		70	-
THERMAL	**ISO Test Method**	**Dry**	**Conditioned**
Melting Point, C	3146	220	-
HDT A, C	75	210	-
HDT B, C	75	220	-
ELECTRICAL	**ISO Test Method**	**Dry**	**Conditioned**
Volume Resistivity	IEC 60093	>1E13	-