

Ultramid® 8235G HS BK-102

Polyamide 6



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	ASTM Test Method	Property Value	
Specific Gravity	D-792	1.56	
Mold Shrinkage (1/8" bar, in/in)		0.002	
Moisture, %	D-570		
(50% RH)		1.4	
(Saturation)		4.8	
MECHANICAL	ASTM Test Method	Dry	Conditioned
Tensile Strength, Break, MPa (psi)	D-638		
23C (73F)		210 (30,400)	145 (21,000)
Elongation, Break, %	D-638		
23C (73F)		2	6
Flexural Modulus, MPa (psi)	D-790		
23C (73F)		14,700 (2,130,000)	-
IMPACT	ASTM Test Method	Dry	Conditioned
Notched Izod Impact, J/M (ft-lbs/in)	D-256		
23C (73F)		139 (2.6)	-
THERMAL	ASTM Test Method	Dry	Conditioned
Melting Point, C(F)	D-3418	220 (428)	-
ELECTRICAL	ASTM Test Method	Dry	Conditioned
Volume Resistivity, 1.5 mm	D-257	>1E13	-

