

Ultramid® 8262G HS BK-102

Polyamide 6



Product Description

Ultramid 8262G HS BK-102 is a heat stabilized, pigmented black, 20% glass and mineral reinforced PA6 injection molding compound resulting in a balance of engineering properties with excellent dimensional stability, low warp and good resistance to sink mark formation.

Applications

Ultramid 8262G HS BK-102 is generally recommended for applications such as automotive housings, brackets, hubs, shrouds and roller bearings.

PHYSICAL	ASTM Test Method	Property Value	
Specific Gravity	D-792	1.29	
Mold Shrinkage (1/8" bar, in/in)		0.008	
Moisture, %	D-570		
(24 Hour)		1.3	
(50% RH)		2.2	
(Saturation)		7.9	
MECHANICAL	ASTM Test Method	Dry	Conditioned
Tensile Strength, Break, MPa (psi)	D-638		
23C (73F)		100 (14,500)	-
Elongation, Break, %	D-638		
23C (73F)		3	-
Flexural Modulus, MPa (psi)	D-790		
23C (73F)		4,600 (667,000)	-
Flexural Strength, MPa (psi)	D-790		
23C (73F)		170 (24,600)	-
Rockwell Hardness, R Scale	D-785	119	-
IMPACT	ASTM Test Method	Dry	Conditioned
Notched Izod Impact, J/M (ft-lbs/in)	D-256		
23C (73F)		45 (0.8)	-
THERMAL	ASTM Test Method	Dry	Conditioned
Melting Point, C(F)	D-3418	220 (428)	-
Heat Deflection @ 264 psi (1.8 MPa) C(F)	D-648	193 (379)	-
UL RATINGS	UL Test Method	Property Value	
Flammability Rating, 1.5mm	UL94	HB	
Relative Temperature Index, 1.5mm	UL746B		
Mechanical w/o Impact, C		105	
Mechanical w/ Impact, C		105	
Electrical, C		105	

