Product Information

Ultramid® 8260
Polyamide 6

BASF
The Chemical Company

Product Description

Ultramid 8260 is a 40% mineral reinforced PA6 injection molding compound. It possesses high stiffness, dimensional stability and heat resistance combined with excellent processability including low warp and resistance to sink-mark formation. It is also available in heat stabilized (Ultramid 8260 HS) versions. It can be painted or chrome plated and is also available in pigmented versions.

Applications

Ultramid 8260 is generally recommended for applications such as marine hardware, brackets, fittings, bobbins, office furniture, appliance components and power tool housings.

PHYSICAL	ISO Test Method	Property Value	
Density, g/cm	1183	1.49	
Moisture, %	62		
(24 Hour)		1.1	
(50% RH)		1.6	
(Saturation)		5.7	
MECHANICAL	**ISO Test Method**	**Dry**	**Conditioned**
Tensile Modulus, MPa	527		
-40C		8,310	-
23C		6,400	2,390
80C		1,360	-
121C		970	-
Tensile stress at break, MPa	527		
23C		85	60
Tensile strain at break, %	527		
23C		10	30
Flexural Strength, MPa	178		
23C		140	50
Flexural Modulus, MPa	178		
23C		5,200	2,100
IMPACT	**ISO Test Method**	**Dry**	**Conditioned**
Charpy Notched, kJ/m^2	179		
23C		3	-
-30C		3	-
Charpy Unnotched, kJ/m^2	179		
23C		115	-
THERMAL	**ISO Test Method**	**Dry**	**Conditioned**
Melting Point, C	3146	220	-
HDT B, C	75	195	-
Coef. of Linear Thermal Expansion, Parallel, mm/mm C		0.46 X10-4	-
Coef. of Linear Thermal Expansion, Normal, mm/mm C		0.58 X10-4	-
ELECTRICAL	**ISO Test Method**	**Dry**	**Conditioned**
Volume Resistivity	IEC 60093	>1E13	-