Product Information

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Ultramid® A3W2G6 BK20560
Polyamide 66

BASF The Chemical Company

Product Description

Ultramid A3W2G6 BK20560 is a developmental 30% glass fiber reinforced, pigmented black, injection molding PA66/6 with high heat aging resistance.

Applications

Applications include automotive powertrain applications like charge air coolers.

PHYSICAL	ISO Test Method	Property Value	
Density, g/cm	1183	1.36	
Moisture, %	62		
(50% RH)		1.5	
(Saturation)		5.4	
RHEOLOGICAL	**ISO Test Method**	**Dry**	**Conditioned**
Melt Volume Rate (275 C/5 Kg), cc/10min.	1133	20	-
MECHANICAL	**ISO Test Method**	**Dry**	**Conditioned**
Tensile Modulus, MPa	527		
23C		9,500	5,200
Tensile stress at break, MPa	527		
23C		180	100
Tensile strain at break, %	527		
23C		3.5	6
Flexural Strength, MPa	178		
23C		280	-
Flexural Modulus, MPa	178		
23C		8,700	-
IMPACT	**ISO Test Method**	**Dry**	**Conditioned**
Charpy Notched, kJ/m^2	179		
23C		10	18
-30C		9	-
Charpy Unnotched, kJ/m^2	179		
23C		90	110
-30C		70	-
THERMAL	**ISO Test Method**	**Dry**	**Conditioned**
Melting Point, C	3146	260	-
HDT A, C	75	230	-

Note

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Note

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