Product Information

Ultramid® T KR 4355 G7 BK00564

Polyamide 6/6T Copolymer

BASF The Chemical Company

Product Description

Ultramid T KR 4355 G7 BK00564 is a 35% glass fiber reinforced injection molding PA6/6T grade featuring high toughness, stiffness, and strength, low water absorption, and high melting point (295 C). After the material has been conditioned, its mechanical properties remain stable up to 60 C. This grade is available in black.

PHYSICAL	ISO Test Method	Property Value	
Density, g/cm	1183	1.43	
Moisture, %	62		
(50% RH)		1	
(Saturation)		4.8	
MECHANICAL	**ISO Test Method**	**Dry**	**Conditioned**
Tensile Modulus, MPa	527		
23C		12,000	-
Tensile stress at break, MPa	527		
-40C		279	270
23C		210	200
Tensile strain at break, %	527		
23C		3	3
IMPACT	**ISO Test Method**	**Dry**	**Conditioned**
Charpy Notched, kJ/m^2	179		
23C		17	-
-30C		12	-
Charpy Unnotched, kJ/m^2	179		
23C		100	-
-30C		70	-
THERMAL	**ISO Test Method**	**Dry**	**Conditioned**
Melting Point, C	3146	295	-
HDT A, C	75	270	-
Coef. of Linear Thermal Expansion, Parallel, mm/mm C		0.15 X10-4	-
Coef. of Linear Thermal Expansion, Normal, mm/mm C		0.55 X10-4	-
ELECTRICAL	**ISO Test Method**	**Dry**	**Conditioned**
Comparative Tracking Index	IEC 60112	600	600
Volume Resistivity	IEC 60093	1E13	1E12
Dielectric Constant (1 MHz)	IEC 60250	4.2	4.4
Dissipation Factor (1 MHz)	IEC 60250	200	300

Note

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Note

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