

Product Information

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Ultramid® T KR 4355 G7 BK00564 Polyamide 6/6T Copolymer


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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/cm³	1183	1.43	
Moisture, %	62		
(50% RH)		1	
(Saturation)		4.8	
MECHANICAL	ISO Test Method	Dry	Conditioned
Tensile Modulus, MPa	527		
23°C		12,000	-
Tensile stress at break, MPa	527		
-40°C		279	270
23°C		210	200
Tensile strain at break, %	527		
-40°C		3.0	2.7
23°C		3.0	3.0
IMPACT	ISO Test Method	Dry	Conditioned
Charpy Notched, kJ/m²	179		
-30°C		12	-
23°C		17	-
Charpy Unnotched, kJ/m²	179		
-30°C		70	-
23°C		100	-
THERMAL	ISO Test Method	Dry	Conditioned
Melting Point, °C	3146	295	-
HDT A, °C	75	245	-
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 (Ohm)	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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