

# Ultramid® T KR 4365 G5

## Polyamide 6/6T Copolymer



### Product Description

Ultramid T KR 4365 G5 is a 25% glass fiber reinforced, flame-retardant, injection molding PA6/6T grade. Good mechanical properties, high tracking resistance, low tendency for deposits on electrical contacts, very resistant to electrolytic corrosion, resistant to solder baths; electroplateable.

PHYSICAL		ISO Test Method	Property Value	
Density, g/cm <sup>3</sup>		1183	1.38	
Moisture, %		62		
(50% RH)			1.3	
(Saturation)			5.5	
MECHANICAL		ISO Test Method	Dry	Conditioned
Tensile Modulus, MPa		527		
23C			8,300	8,000
Tensile stress at break, MPa		527		
-40C			192	177
23C			150	140
80C			96	-
Tensile strain at break, %		527		
23C			3	3
IMPACT		ISO Test Method	Dry	Conditioned
Charpy Notched, kJ/m <sup>2</sup>		179		
23C			13	-
-30C			7	-
Charpy Unnotched, kJ/m <sup>2</sup>		179		
23C			75	-
-30C			80	-
THERMAL		ISO Test Method	Dry	Conditioned
Melting Point, C		3146	295	-
HDT A, C		75	270	-
HDT B, C		75	280	-
Coef. of Linear Thermal Expansion, Parallel, mm/mm C			0.25 X10 <sup>-4</sup>	-
Coef. of Linear Thermal Expansion, Normal, mm/mm C			0.55 X10 <sup>-4</sup>	-
ELECTRICAL		ISO Test Method	Dry	Conditioned
Comparative Tracking Index		IEC 60112	600	600
Volume Resistivity		IEC 60093	1E13	-
Dielectric Constant (1 MHz)		IEC 60250	4	-
Dissipation Factor (1 MHz)		IEC 60250	200	-
UL RATINGS		UL Test Method	Property Value	
Flammability Rating, 1.5mm		UL94	5VA	
Relative Temperature Index, 1.5mm		UL746B		
Mechanical w/o Impact, C			130	



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 **BASF**  
The Chemical Company

Mechanical w/ Impact, C	105
Electrical, C	140

## Note

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