Product Information

Aug 2013

Ultramid® T KR 4365 G5
Polyamide 6/6T Copolymer

BASF The Chemical Company

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	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^2	179		
23C		13	-
-30C		7	-
Charpy Unnotched, kJ/m^2	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 X10-4	-
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	-
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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Mechanical w/ Impact, C	105
Electrical, C	140

Note