

Product Information

Oct 2016

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


[Email PDF Datasheet](#) | [Print/Save Version](#)
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. Flame retardant based on red phosphorus.

PHYSICAL	ISO Test Method	Property Value	
Density, g/cm³	1183	1.38	
Moisture, %	62		
(50% RH)		1.3	
(Saturation)		5.5	
MECHANICAL	ISO Test Method	Dry	Conditioned
Tensile Modulus, MPa	527		
23°C		8,300	8,000
Tensile stress at break, MPa	527		
-40°C		192	177
23°C		150	140
80°C		96	-
Tensile strain at break, %	527		
-40°C		2.9	2.6
23°C		3.0	3.0
80°C		2.5	-
IMPACT	ISO Test Method	Dry	Conditioned
Charpy Notched, kJ/m²	179		
-30°C		7	-
23°C		13	-
Charpy Unnotched, kJ/m²	179		
-30°C		80	-
23°C		75	-
THERMAL	ISO Test Method	Dry	Conditioned
Melting Point, °C	3146	295	-
HDT A, °C	75	220	-
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 (Ohm)	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, 0.37mm	UL94	V-2	
Flammability Rating, 0.75mm	UL94	V-0	
Relative Temperature Index, 0.75mm	UL746B		
Mechanical w/o Impact, °C		120	
Mechanical w/ Impact, °C		100	
Electrical, °C		140	
Flammability Rating, 1.5mm	UL94	5VA	
Relative Temperature Index, 1.5mm	UL746B		
Mechanical w/o Impact, °C		130	
Mechanical w/ Impact, °C		105	
Electrical, °C		140	
Flammability Rating, 3.0mm	UL94	V-0	
Relative Temperature Index, 3.0mm	UL746B		
Mechanical w/o Impact, °C		140	
Mechanical w/ Impact, °C		110	
Electrical, °C		140	

Note

Although all statements and information in this publication are believed to be accurate and reliable, they are presented gratis and for guidance only, and risks and liability for results obtained by use of the products or application of the suggestions described are assumed by the user. NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH. Statements or suggestions concerning possible use of the products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should not assume that toxicity data and safety measures are indicated or that other measures may not be required.

BASF Corporation
Engineering Plastics
1609 Biddle Avenue
Wyandotte, MI 48192

General Information: 800-BC-RESIN
Technical Assistance: 800-527-TECH (734-324-5150)
Web address: <http://www.plasticsportal.com/usa>

