

Ultramid® C 3U (Cond)

Polyamide 66/6 Copolymer

BASF Corporation

Product Description				
Ultramid C3U is an injection molding, general purpose PA6/66 grade with improved flame retardance.				
General				
Material Status	• Commercial: Active			
Availability	• Europe	• North America		
Features	• Flame Retardant • Good Electrical Properties	• Good Flow • Halogen Free	• Low (to None) Phosphorus Content • Low Viscosity	
Uses	• Electrical Parts	• Electrical/Electronic Applications	• Electronic Insulation	
RoHS Compliance	• RoHS Compliant			
Appearance	• Colors Available	• Natural Color		
Forms	• Pellets			
Processing Method	• Injection Molding			
Multi-Point Data	• Creep Modulus vs. Time (ISO 11403-1) • Isochronous Stress vs. Strain (ISO 11403-1)	• Isothermal Stress vs. Strain (ISO 11403-1) • Secant Modulus vs. Strain (ISO 11403-1)		
Mechanical		Nominal Value	Unit	Test Method
Tensile modulus		1500	MPa	ISO 527-2 ²
Tensile Stress (Yield)		45.0	MPa	ISO 527-2 ²
Tensile Strain (Yield)		18	%	ISO 527-2 ²
Nominal strain at break		> 50	%	ISO 527-2 ²
Impact		Nominal Value	Unit	Test Method
Charpy notched impact strength (23°C)		35.0	kJ/m ²	ISO 179/1eA ²
Charpy Unnotched Impact Strength (23°C)		No Break		ISO 179
Electrical		Nominal Value	Unit	Test Method
Surface Resistivity ³		1.0E+10	ohms	ASTM D257
Volume Resistivity (1.50 mm)		1.0E+9	ohm·cm	ASTM D257
Notes				
¹ Typical properties: these are not to be construed as specifications.				
² Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.				
³ 1.5 mm				

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

如需要更多物性资料请查阅 www.kedisujiao.com

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