

U-polymer UM-8400-20

Polyarylate
UNITIKA Plastics Division

Message:
U Series Resin Composite Grade

General Information			
UL YellowCard	E47924-239894		
Features	Good Dimensional Stability Warp Resistant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.00 mm)	0.25	%	ASTM D955
Water Absorption (24 hr, 3.18 mm)	0.13	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	116		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	73.0	MPa	ASTM D638
Tensile Elongation (Break)	6.5	%	ASTM D638
Flexural Modulus	4700	MPa	ASTM D790
Flexural Strength	120	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	44	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	98.0	°C	ASTM D648
CLTE - Flow	2.8E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms · cm	ASTM D257
Dielectric Strength	21	kV/mm	ASTM D149

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Recommended distributors for this material

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