

U-polymer UM-8430RG

Polyarylate

UNITIKA Plastics Division

Message:

U Series Resin Composite Grade

General Information			
UL YellowCard	E47924-239936		
Features	Good Dimensional Stability Warp Resistant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.51	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.00 mm)	0.30	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	116		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	63.0	MPa	ASTM D638
Tensile Elongation (Break)	16	%	ASTM D638
Flexural Modulus	4300	MPa	ASTM D790
Flexural Strength	106	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	43	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	100	°C	ASTM D648
CLTE - Flow	2.3E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	5.0E+15	ohms · cm	ASTM D257
Dielectric Strength	17	kV/mm	ASTM D149

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

