

U-polymer LM-8503-10

Polyarylate

UNITIKA Plastics Division

Message:

U Series Resin Composite Grade

General Information			
UL YellowCard	E47924-239895		
Additive	Lubricant		
Features	Good chemical resistance		
	Lubrication		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.00 mm)	0.37	%	ASTM D955
Water Absorption (24 hr, 3.18 mm)	0.13	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	123		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	69.0	MPa	ASTM D638
Tensile Elongation (Break)	9.0	%	ASTM D638
Flexural Modulus	3400	MPa	ASTM D790
Flexural Strength	109	MPa	ASTM D790
Compressive Strength	86.0	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	47	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	110	°C	ASTM D648
Additional Information			

Coefficient of Dynamic Coefficient: 02 to 0.3

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Recommended distributors for this material

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