

U-polymer AXF-1500-05

Polyarylate
UNITIKA Plastics Division

Message:
AX Series Resins Composite Grade

General Information				
UL YellowCard		E47924-239901		
Additive		Lubricant		
Features		Good chemical resistance		
		Heat resistance, high		
		Lubrication		
Forms		Particle		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.19	--	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.00 mm)	1.0	--	%	ASTM D955
Water Absorption (24 hr, 3.18 mm)	0.75	--	%	ASTM D570
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	105	--		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	67.0	54.0	MPa	ASTM D638
Tensile Elongation (Break)	15	22	%	ASTM D638
Flexural Modulus	2600	1100	MPa	ASTM D790
Flexural Strength	100	78.0	MPa	ASTM D790
Compressive Strength	82.0	--	MPa	ASTM D695
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (3.18 mm)	54	150	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	150	--	°C	ASTM D648
CLTE - Flow	7.4E-5	--	cm/cm/°C	ASTM D696
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	--	1.0E+14	ohms · cm	ASTM D257
Dielectric Strength	--	25	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	--	3.60		ASTM D150
Dissipation Factor (1 MHz)	--	0.040		ASTM D150

Arc Resistance	--	80.0	sec	ASTM D495
Additional Information				
干燥				
Limiting PV Value: 424 kPa - m/sCoefficient of Dynamic Coefficient: 0.15 to 0.2				

调节后的				
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