

U-polymer AX-1500

Polyarylate
UNITIKA Plastics Division

Message:

AX series resins are opaque polymer alloys with a high deflection temperature under load without reinforcement and a chemical resistance as high as those of crystalline resins. They are excellent in moldability and provide molded products fewer in the number of sink marks, warps, and runoffs.

General Information				
UL YellowCard		E47924-239896		
Features		Low warpage		
		Good formability		
		Good adhesion		
		Good chemical resistance		
		Heat resistance, high		
		Low or no water absorption		
		Self-lubricating		
Appearance		Opacity		
Forms		Particle		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.17	--	g/cm ³	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	72.0	53.0	MPa	ASTM D638
Tensile Elongation (Break)	50	70	%	ASTM D638
Flexural Modulus	2600	1200	MPa	ASTM D790
Flexural Strength	103	76.0	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (3.18 mm)	78	200	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	150	--	°C	ASTM D648
CLTE - Flow	7.7E-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	--	84.0	sec	ASTM D495
Comparative Tracking Index	--	600	V	IEC 60112

Additional Information

调节后的
Comp Track Index, IEC 60112: >600 V

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