

Haysite Plastics H515

Thermoset Polyester
Haysite Reinforced Plastics

Message:

H515 exhibits excellent flexibility and retention of electrical properties at elevated temperatures. For use in 220°C insulation systems in dry type transformers and elsewhere where flexibility and high temperature is required. Standard color is tan. Thickness is 1/32" - 1/16". Sheet sizes are 36" x 72" and 48" x 96".

General Information			
Features	Good Flexibility		
	High Heat Resistance		
Uses	Insulation		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Appearance	Tan		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.60	g/cm ³	ASTM D792
Water Absorption (Equilibrium)	1.1	%	ASTM D229
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
-- ¹	46.2	MPa	
-- ²	42.7	MPa	
Compressive Strength	74.5	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-- ³	480	J/m	
-- ⁴	530	J/m	
Thermal	Nominal Value	Unit	
Temperature Index			
Elec.	200	°C	
Mech.	200	°C	
Dielectric Strength - Step-By-Step In Oil ⁵	55000	V	ASTM D229
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength			ASTM D149
Air	22	kV/mm	
Oil	24	kV/mm	
Dielectric Constant (60 Hz)	5.20		ASTM D150
Dissipation Factor (60 Hz)	0.057		ASTM D150
Arc Resistance	135	sec	ASTM D495

Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
NOTE			
1.	Crosswise		
2.	Lengthwise		
3.	Crosswise		
4.	Lengthwise		
5.	Parallel		

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