

# Haysite Plastics HCR-191

Thermoset Polyester  
Haysite Reinforced Plastics

Message:

Haysite Plastics HCR-191 is a Thermoset Polyester product. It is available in North America.

Characteristics include:

Chemical Resistant

Corrosion Resistant

General Information			
Features	Good Chemical Resistance		
	Good Corrosion Resistance		
Appearance	Beige		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.80	g/cm <sup>3</sup>	ASTM D792
Water Absorption (Equilibrium)	0.35	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	58		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>	68.9	MPa	ASTM D638
Flexural Strength <sup>2</sup>	159	MPa	ASTM D790
Compressive Strength <sup>3</sup>	221	MPa	ASTM D695
Shear Strength	96.5	MPa	ASTM D229
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact <sup>4</sup>	530	J/m	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength <sup>5</sup> (Air/Oil)	14	kV/mm	ASTM D149
Dielectric Strength - in Air/Oil <sup>6</sup>	40000	V	ASTM D149
Flame Resistance			ASTM D229
Burning Time	1.3	min	
Ignition Time	1.3	min	
NOTE			
1.	Lengthwise		
2.	Lengthwise		
3.	Flatwise		
4.	Lengthwise		
5.	Perpendicular		
6.	Parallel		

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