

SAUDPOL SP-351-BV13

Thermoset Polyester
Gulf Chemicals and Industrial Oils Company

Message:

Un-saturated polyester resin.
Principal properties
ISOphtalic acid based polyester
Excellent mechanical properties
Good weathering properties
To be used when maximum durability is required
Water, Oil & Chemicals resistant
Applications
Construction of boat, containers, vessels
Filament winding
Pipe, fishing rods, ducts
Car body parts

General Information		
Features	Durable	
	Good Chemical Resistance	
	Good Weather Resistance	
	Isophthalic	
	Moisture Resistant	
	Oil Resistant	
Uses	Automotive Applications	
	Containers	
	Filaments	
	Fishing Applications	
	Marine Applications	
	Piping	
Appearance	Transparent - Slight Yellow	
Physical	Nominal Value	Unit
Acid Value	15.00 to 20.00	mg KOH/g
Styrene Content	35 to 38	%
Heat Deflection Temperature	80	°C
Peak Exotherm	175 to 186	°C
Mechanical	Nominal Value	Unit
Tensile Modulus	4100	MPa
Tensile Stress	86.0	MPa
Tensile Strain (Break)	4.4	%
Flexural Modulus	4250	MPa

Flexural Stress	165	MPa
Uncured Properties	Nominal Value	Unit
Density (20°C)	1.12	g/cm ³
Viscosity (25°C)	0.45 to 0.68	Pa·s
Curing Time	0.42 to 0.62	hr
Gel Time	14 to 22	min

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