

# SAUDPOL SP-5119

Thermoset Polyester  
Gulf Chemicals and Industrial Oils Company

Message:

- Un-saturated polyester resin.
- Principal properties
- Orthophthalic acid based polyester
- Excellent mechanical properties
- High performance constructional lamination
- Rapid curing with no volatiles evolved
- Light colour
- Applications
- Car body parts, yachts, chassis, corrugated sheet
- General purpose
- Pipe, fishing rods, ducts

General Information		
Features	Fast Cure	
	Orthophthalic	
Uses	Automotive Applications	
	Construction Applications	
	Corrugated Sheet	
	Fishing Applications	
	General Purpose	
	Laminates	
	Marine Applications	
	Piping	
Appearance	Light Color	
Physical	Nominal Value	Unit
Acid Value	25.00 to 30.00	mg KOH/g
Color	< 150	APHA
Styrene Content	35 to 40	%
Heat Deflection Temperature	64	°C
Peak Exotherm	150 to 166	°C
Mechanical	Nominal Value	Unit
Tensile Modulus	4200	MPa
Tensile Stress	80.0	MPa
Tensile Strain (Break)	2.3	%
Flexural Modulus	4000	MPa
Flexural Stress	150	MPa
Optical	Nominal Value	

Refractive Index	1.541	
Uncured Properties	Nominal Value	Unit
Density (20°C)	1.12	g/cm <sup>3</sup>
Viscosity (25°C)	0.40 to 0.80	Pa·s
Curing Time	0.50 to 0.57	hr
Gel Time	14 to 22	min

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#### Recommended distributors for this material

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