



SEWON CHEMICAL Co., LTD

## [PRODUCT BULLETIN]

### POLYSTAR R8236PT

1. TYPE : Prepromoted, Ortho TYPE unsaturated Polyester Resin,  
Non-Wax TYPE
2. USES : POLYSTAR R8236PT is specially designed for the  
production of reinforced plastics by the spray-up and  
hand-layup technique for example bathtub, purification tank,  
water tank, etc.
3. DISTINGUISHING CHARACTERISTICS :
  - . Moderate trimming time.
  - . Good cure in thin sections.
  - . Extremely fast wet out and roll out.
  - . Early development of Barcol Hardness.
4. TYPICAL PROPERTIES :

	Units	Spec	Remarks
Specific Gravity	25 °C/25 °C	1.08 - 1.12	
Viscosity	dPa .s/25 °C	4.0 – 5.0	#2, 60 rpm
Thixotropic	-	2.0 – 3.0	#2, 6/60 rpm
Gel-Time	min	25 – 35	55%MEKPO 1.0 PHR at 25 °C
Time to Peak	min	40 – 70	
Peak Exothermic Temp	°C	90 – 130	

- Specification limits are variable upon request.



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### 5. Mechanical strength of casting plate\*<sup>1</sup>

	Units	Results
Tensile Strength	MPa	60 – 70
Flexural Strength	MPa	110 – 130
Flexural Modulus	GPa	3.5 – 4.0
Elongation	%	2.0 – 3.0
Heat Distortion Temperature	℃	60 – 70
Barcol Hardness, 934-1	–	35 – 45

\*1 – Thickness : 3 mm

Catalyst : 55% MEKPO 1.0 phr

Post Cure : 80℃ 2hrs , 100℃ 2hrs

### 6. Mechanical strength of laminated plate\*<sup>1</sup>

	Units	Results
Tensile Strength	MPa	100 – 120
Flexural Strength	MPa	180 – 220
Flexural Modulus	GPa	7.0 – 9.0

\*1 – Thickness : 3 mm

Catalyst : 55% MEKPO 1.0 phr

Post Cure : 80℃ 2hrs , 100℃ 2hrs

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