

BUP 631

Thermoset Polyester
Bonyan Kala Chemie Company

Message:

- Characteristics:
- Moderate gel time
 - Excellent adhesion to glass fibers
 - Medium viscosity
 - Very good physical and mechanical and chemical properties after curing
 - Limited water absorption
 - Resistant to hydrolysis
 - Certified by IRANIAN Classification society
 - Certified by ASIA Classification society
- Applications:
- Vessels and boats
 - Reservoirs

General Information		
Features	Good Adhesion	
	Hydrolysis Resistant	
	Low to No Water Absorption	
	Medium Viscosity	
Uses	Marine Applications	
	Vessels	
Physical	Nominal Value	Unit
Molding Shrinkage - Flow	< 1.2	%
Water Absorption (Equilibrium)	< 0.22	%
Acid Value	< 20.00	mg KOH/g
Gardner Color	Violet	
Heat Deflection Temperature	> 65	°C
Hardness	Nominal Value	Unit
Barcol Hardness	> 40	
Mechanical	Nominal Value	Unit
Tensile Strength	> 65.0	MPa
Tensile Elongation (Break)	> 3.0	%
Flexural Strength	> 120	MPa
Thermal	Nominal Value	Unit
Peak Melting Temperature	< 170	°C
Uncured Properties	Nominal Value	Unit
Solids Content	61 to 65	%
Viscosity (25°C)	0.70 to 1.0	Pa · s
Curing Time	0.20 to 0.42	hr

Gel Time ¹	20 to 30	min
NOTE		

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| 1. | Curing condition with 2% MEKP
(50%) |
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