

BUP 630

Thermoset Polyester
Bonyan Kala Chemie Company

Message:

- Characteristics:
- Low color
 - Excellent adhesion to glass fibers
 - Medium viscosity
 - Very Good physical and mechanical and chemical properties after curing
 - Limited water absorption
 - Good flexibility and good resistant to impact
 - Resistant to hydrolysis
 - Suitable for production by paltrogen method
 - Certified by IRANIAN Classification society
 - Certified by ASIA Classification society
 - Ministry of health approval
- Applications:
- Vessels and boats
 - GRP Pipes & joints
 - Reservoirs
 - Structural hygienic fittings
 - Gel coat
 - Manufacturing of composite parts and profiles

General Information		
Features	Good Adhesion	
	Good Flexibility	
	Good Impact Resistance	
	High Clarity	
	Hydrolysis Resistant	
	Low to No Water Absorption	
	Medium Viscosity	
Uses	Coating Applications	
	Hygiene	
	Marine Applications	
	Profiles	
	Vessels	
Appearance	Clear/Transparent	
Physical	Nominal Value	Unit
Molding Shrinkage - Flow	< 1.3	%
Water Absorption (Equilibrium)	< 0.20	%
Acid Value	< 20.00	mg KOH/g
Gardner Color	< 1.50	
Heat Deflection Temperature	> 65	°C

Hardness	Nominal Value	Unit
Barcol Hardness	> 40	
Mechanical	Nominal Value	Unit
Tensile Strength	> 60.0	MPa
Tensile Elongation (Break)	> 2.5	%
Flexural Strength	> 120	MPa
Thermal	Nominal Value	Unit
Peak Melting Temperature	< 190	°C
Uncured Properties	Nominal Value	Unit
Solids Content	61 to 65	%
Viscosity (25°C)	0.45 to 0.70	Pa·s
Curing Time	0.17 to 0.33	hr
Gel Time ¹	15 to 25	min
NOTE		

1. Curing condition with 1% Co (1%)
and 1.1% MEKP (50%)

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