

BUP 660

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
 - Resistant to hydrolysis
 - Suitable for production by paltrogen method
 - Certified by IRANIAN Classification society
 - Certified by ASIA Classification society
 - Ministry of health approval
- Applications:
- Manufacturing of composite parts and profiles
 - Vessels and boats
 - GRP Pipes & joints
 - Structural hygienic fittings
 - Gel coat
 - Reservoirs

General Information		
Features	Good Adhesion	
	Hydrolysis Resistant	
	Low to No Water Absorption	
	Medium Viscosity	
Uses	Coating Applications	
	Hygiene	
	Marine Applications	
	Piping	
	Profiles	
	Vessels	
Appearance	Clear/Transparent	
Physical	Nominal Value	Unit
Molding Shrinkage - Flow	< 1.3	%
Water Absorption (Equilibrium)	< 0.25	%
Acid Value	< 20.00	mg KOH/g
Gardner Color	< 1.50	
Heat Deflection Temperature	> 70	°C
Hardness	Nominal Value	Unit
Barcol Hardness	> 45	
Mechanical	Nominal Value	Unit

Tensile Strength	> 70.0	MPa
Tensile Elongation (Break)	> 3.0	%
Flexural Strength	> 130	MPa
Thermal	Nominal Value	Unit
Peak Melting Temperature	< 210	°C
Uncured Properties	Nominal Value	Unit
Solids Content	62 to 66	%
Viscosity (25°C)	0.60 to 0.90	Pa·s
Curing Time	0.13 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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