

BUP 621

Thermoset Polyester
Bonyan Kala Chemie Company

Message:

- Characteristics:
- Low color
 - Very good adhesion to glass fibers
 - Medium viscosity
 - Very good physical and mechanical properties after curing
 - Filler appropriate accountability
- Applications:
- Decorative accessories
 - Manufacturing of fiberglass parts
- Reservoirs
- Prefabricated rooms
 - Structural hygienic fittings
 - General purpose

General Information		
Features	Good Adhesion	
	High Clarity	
	Medium Viscosity	
Uses	Decorative Parts	
	General Purpose	
	Hygiene	
Appearance	Clear/Transparent	
Physical	Nominal Value	Unit
Molding Shrinkage - Flow	< 1.3	%
Water Absorption (Equilibrium)	< 0.25	%
Acid Value	< 26.00	mg KOH/g
Gardner Color	< 1.50	
Heat Deflection Temperature	> 60	°C
Hardness	Nominal Value	Unit
Barcol Hardness	> 40	
Mechanical	Nominal Value	Unit
Tensile Strength	> 60.0	MPa
Tensile Elongation (Break)	> 4.0	%
Flexural Strength	> 115	MPa
Thermal	Nominal Value	Unit
Peak Melting Temperature	< 190	°C
Uncured Properties	Nominal Value	Unit
Solids Content	60 to 64	%

Viscosity (25°C)	0.38 to 0.48	Pa·s
Curing Time	0.13 to 0.27	hr
Gel Time ¹	11 to 18	min

NOTE

1. Curing condition with 0.5% Co (1%) and 2% MEKP (50%)

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