

# BUP 625

Thermoset Polyester  
Bonyan Kala Chemie Company

Message:

- Characteristics:
- Medium viscosity
  - Very good physical and mechanical properties after curing
  - Very good flexibility and good resistant to impact
  - Filler appropriate accountability
- Applications:
- Manufacturing of grindstone
  - Manufacturing of fiberglass parts
  - Decorative accessories

General Information		
Features	Good Flexibility	
	Good Impact Resistance	
	High Clarity	
	Medium Viscosity	
Uses	Decorative Parts	
Appearance	Clear/Transparent	
Physical	Nominal Value	Unit
Molding Shrinkage - Flow	< 1.2	%
Water Absorption (Equilibrium)	< 0.28	%
Acid Value	< 24.00	mg KOH/g
Gardner Color	< 1.50	
Heat Deflection Temperature	> 65	°C
Hardness	Nominal Value	Unit
Barcol Hardness	> 42	
Mechanical	Nominal Value	Unit
Tensile Strength	> 65.0	MPa
Tensile Elongation (Break)	> 4.0	%
Flexural Strength	> 120	MPa
Thermal	Nominal Value	Unit
Peak Melting Temperature	< 190	°C
Uncured Properties	Nominal Value	Unit
Solids Content	59 to 63	%
Viscosity (25°C)	0.35 to 0.50	Pa · s
Curing Time	0.13 to 0.25	hr
Gel Time <sup>1</sup>	11 to 18	min
NOTE		

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| 1. | Curing condition with 0.5% Co<br>(1%) and 2% MEKP (50%) |
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