

BUP 626

Thermoset Polyester
Bonyan Kala Chemie Company

Message:

- Characteristics:
- Low color
 - Medium viscosity
 - Very good physical and mechanical properties after curing
 - Limited water absorption
 - Good flexibility and good resistant to impact
- Applications:
- Manufacturing of artificial stones
 - Prefabricated rooms

General Information		
Features	Good Flexibility	
	Good Impact Resistance	
	High Clarity	
	Low to No Water Absorption	
	Medium Viscosity	
Uses	Building Materials	
	Decorative Parts	
Appearance	Clear/Transparent	
Physical	Nominal Value	Unit
Molding Shrinkage - Flow	< 1.2	%
Water Absorption (Equilibrium)	< 0.28	%
Acid Value	< 22.00	mg KOH/g
Gardner Color	< 0.700	
Heat Deflection Temperature	> 60	°C
Hardness	Nominal Value	Unit
Barcol Hardness	> 40	
Mechanical	Nominal Value	Unit
Tensile Strength	> 55.0	MPa
Tensile Elongation (Break)	> 5.0	%
Flexural Strength	> 110	MPa
Thermal	Nominal Value	Unit
Peak Melting Temperature	< 180	°C
Uncured Properties	Nominal Value	Unit
Solids Content	61 to 65	%
Viscosity (25°C)	0.45 to 0.65	Pa · s
Curing Time	0.17 to 0.37	hr

Gel Time ¹	20 to 25	min
NOTE		

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

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