

# BUP 690

Thermoset Polyester  
Bonyan Kala Chemie Company

Message:

- Characteristics:
- Moderate gel time
- Low viscosity
- Very good physical and mechanical properties after curing
- Filler appropriate accountability
- Applications:
- Manufacturing of mastic
- Manufacturing of adhesive stones

General Information		
Features	Low Viscosity	
Uses	Adhesives	
Appearance	Clear/Transparent	
Physical	Nominal Value	Unit
Molding Shrinkage - Flow	< 1.4	%
Water Absorption (Equilibrium)	< 0.30	%
Acid Value	< 26.00	mg KOH/g
Gardner Color	Viridescent	
Heat Deflection Temperature	> 70	°C
Hardness	Nominal Value	Unit
Barcol Hardness	> 44	
Mechanical	Nominal Value	Unit
Tensile Strength	> 65.0	MPa
Tensile Elongation (Break)	> 3.0	%
Flexural Strength	> 120	MPa
Thermal	Nominal Value	Unit
Peak Melting Temperature	< 210	°C
Uncured Properties	Nominal Value	Unit
Solids Content	60 to 64	%
Viscosity (25°C)	0.30 to 0.45	Pa · s
Curing Time	0.067 to 0.13	hr
Gel Time <sup>1</sup>	4.0 to 9.0	min
NOTE		

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

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