

BUP 640

Thermoset Polyester
Bonyan Kala Chemie Company

Message:

- Characteristics:
- Low gel time
 - Very Low color
 - High viscosity
 - Good physical and mechanical properties after curing
 - Good flexibility and transparency
- Applications:
- Button
 - Goods that need high transparency

General Information		
Features	Good Flexibility	
	High Clarity	
	High Viscosity	
	Low Gel	
Uses	Buttons	
	Transparent Parts	
Appearance	Clear/Transparent	
Physical	Nominal Value	Unit
Molding Shrinkage - Flow	< 1.0	%
Water Absorption (Equilibrium)	< 0.30	%
Acid Value	< 25.00	mg KOH/g
Gardner Color	< 0.300	
Heat Deflection Temperature	> 50	°C
Hardness	Nominal Value	Unit
Barcol Hardness	> 35	
Mechanical	Nominal Value	Unit
Tensile Strength	> 45.0	MPa
Tensile Elongation (Break)	> 5.0	%
Flexural Strength	> 90.0	MPa
Thermal	Nominal Value	Unit
Peak Melting Temperature	< 170	°C
Uncured Properties	Nominal Value	Unit
Solids Content	69 to 73	%
Viscosity (25°C)	1.2 to 1.7	Pa · s
Curing Time	0.13 to 0.17	hr
Gel Time ¹	8.0 to 10	min

NOTE

1. Curing condition with 0.25% Co
(1%) and 2% MEKP (50%)

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