

BUP 643

Thermoset Polyester
Bonyan Kala Chemie Company

Message:

Characteristics:
Low gel time
Medium viscosity
Very good physical and mechanical and chemical properties after curing
Good flexibility and good resistant to impact
Applications:
Button
General purpose

General Information	
Features	Good Flexibility
	Good Impact Resistance
	Low Gel
	Medium Viscosity
Uses	Buttons
	General Purpose

Physical	Nominal Value	Unit
Molding Shrinkage - Flow	< 1.1	%
Water Absorption (Equilibrium)	< 0.30	%
Acid Value	< 26.00	mg KOH/g
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	< 180	°C
Uncured Properties	Nominal Value	Unit
Solids Content	65 to 69	%
Viscosity (25°C)	0.90 to 1.5	Pa · s
Curing Time	0.10 to 0.20	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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