

BUP 624

Thermoset Polyester

Bonyan Kala Chemie Company

Message:

Characteristics:

Low color

Medium viscosity

Very good physical and mechanical and chemical properties after curing

Resistant to UV

Filler appropriate accountability

Applications:

Manufacturing of artificial stones

Prefabricated rooms

General Information		
Features	Good UV Resistance High Clarity 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	< 20.00	mg KOH/g
Gardner Color	< 1.00	
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	> 130	MPa
Thermal	Nominal Value	Unit
Peak Melting Temperature	< 180	°C
Uncured Properties	Nominal Value	Unit
Solids Content	63 to 67	%
Viscosity (25°C)	0.45 to 0.70	Pa · s
Curing Time	0.13 to 0.23	hr
Gel Time ¹	10 to 16	min
NOTE		

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

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