

Technical Data Sheet

Butvar® B-90

Product Description

Butvar® B-90 is a thermoplastic, polyvinyl butyral resin which offers a unique combination of properties for coating or adhesive applications. The use or addition of polyvinyl butyral to a system imparts adhesion, toughness, and flexibility. PVB retains the clarity of the coating and offers reactive hydroxyl sites for crosslinking with thermoset.

Typical Properties

Property	Typical Value, Units
General	
Hydroxyl Content ^a	18.5-20.5
Solution Viscosity 6% solids in anhydrous methanol @ 20°C	13.0-17.0 cps
Volatile Content	5.0 % max
Form	White, free-flowing powder
Acetate Content ^b	2.5 maximum
Butyryl Content ^c	80 (approximate)
Molecular Weight ^d	70,000-100,000
Specific Gravity @ 23°/23°C	1.100
Glass Transition Temperature (T _g)	72-78 °C

^a% Polyvinyl Alcohol

^b% Polyvinyl Acetate

^c% Polyvinyl Butyral

^dSize exclusion chromatography with low angle laser light scattering standard.

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