



## Data Sheet

Pub. No. 2008161A

# Butvar® B-90

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. Butvar B-90 is formulated into many applications including:

- WASH PRIMERS AND GENERAL METAL OR WOOD COATINGS
- BINDERS FOR ADHESIVES AND STRUCTURAL COMPOSITES
- BINDERS FOR INKS AND TONERS

## Physical Properties

### Specifications

Property	Limits	Test Method
Hydroxyl Content, % (Expressed as % Polyvinyl Alcohol)	18.5-20.5	IR -analysis WB-03-01-55
Solution Viscosity, cps (6% solids in methanol @ 20°C)	13.0-17.0	Ostwald Viscometer WS-03-90-01C
Volatile Content, %	5.0 max.	Thermogravimetric WS-03-90-03B

### Useful Information

Form	White, free-flowing powder
Acetate Content, (% Polyvinyl Acetate)	1.5 maximum
Butyral Content, (% Polyvinyl Butyral)	80 (approximate)
Molecular Weight* (Mw)	70,000-100,000
Specific Gravity	1.100
Glass Transition Temperature (Tg), °C	72-78
* Size exclusion chromatography with low angle laser light scattering standard	



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For Technical Service assistance, call 1-800-964-5224.  
For Customer Order assistance, call toll-free 1-800-964-5224 or FAX 314-674-5147.  
Additional information follows.

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