



## Data Sheet

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# Butvar® B-79

Butvar B-79 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 systems. The broad solubility range of Butvar B-79 allows it to be formulated into many applications including:

- CERAMIC AND METAL OXIDE BINDERS
- COATINGS FOR WOOD, METAL OR PLASTIC SUBSTRATES
- HIGHER SOLIDS LOWER VOC SYSTEMS

## Physical Properties

### Specifications

Property	Limits	Test Method
Hydroxyl Content, % (Expressed as % Polyvinyl Alcohol)	11.0-13.5	IR - analysis WB-03-01-55
Solution Viscosity, cps (5% solids in ethanol @ 25°C)	9.0-16.0	Ostwald Viscometer WS-03-79-01B
Volatile Content, %	5.0 max.	Thermogravimetric WS-03-79-03B

### Useful Information

Form	White, free-flowing powder
Acetate Content, (% Polyvinyl Acetate)	2.5 maximum
Butyral Content, (% Polyvinyl Butyral)	88 (approximate)
Molecular Weight* (Mw)	50,000-80,000
Specific Gravity	1.083
Glass Transition Temperature (T <sub>g</sub> ), °C	62-72
* 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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