



Technical Data Sheet

MATERIAL:	Poly(vinyl butyral)
CATALOG NUMBER:	510
CAS NUMBER:	27360-07-2
DESCRIPTION:	Poly(vinyl butyral) resin
FORMULA:	$(C_8H_{14}O_2 \cdot C_4H_6O_2 \cdot C_2H_4O)_x$

TYPICAL PROPERTIES:

Appearance:	Granular
Hydroxyl content:	11%
Acetate content:	1%
Butyral content:	88%
Approx Mw:	180,000 [GPC]
Density:	1.083 (23°C)
Refractive index:	n_D^{20} 1.485
Glass transition temp:	51°C
Melting point:	170°C
Solubility:	Acetone, butanol, ethanol, isopropanol, MEK, THF

GENERAL INFORMATION: Poly(vinyl butyral) resins carry three functional groups (hydroxyl, acetate, and acetal) which provide an excellent balance of properties and compatibility. Films of poly(vinyl butyral) are transparent and offer excellent adhesion. Typical applications include laminated safety glasses, heat resistant wire insulation, and water-proof fabric coatings. Also has been used in surface coatings for wood, structural adhesive formulations, inks and dyes, paints, and hot melt adhesives.

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