



## Technical Data Sheet

<b>MATERIAL:</b>	Poly(butadiene) diol
<b>CATALOG NUMBER:</b>	364
<b>CAS NUMBER:</b>	69102-90-5
<b>DESCRIPTION:</b>	Polybutadiene, dihydroxy terminated; hydroxy terminated butadiene
<b>FORMULA:</b>	Unspecified

**TYPICAL PROPERTIES:**

Appearance:	Viscous liquid
Trans-1,4:	60%
Cis-1,4:	20%
Vinyl-1,2:	20%
Approx Mn:	3,000
Density:	0.900 (23°C)
Boiling point:	> 300°C
Flash point:	> 400°F
Glass transition temp:	-76°C
Viscosity:	6000cp (25°C)
Hydroxyl number:	41.0mg KOH/g
Functionality:	2.2-2.4
Solubility:	Chloroform, ethyl acetate, MEK, THF, toluene

**GENERAL INFORMATION:** Polybutadiene diols contain predominantly primary terminal hydroxyl groups which are highly reactive. Potential applications include the synthesis of polyurethanes, polyesters, ester derivatives, copolymerization, and graft polymerization.

**STRUCTURE:**

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