

SPECIFICATION

Polybutadiene

Parameters	Specification
CAS Number	9003-17-2
Appearance	Elastomeric solid
Molecular Formula	$(CH_2CH=CHCH_2)_n$
Molecular Weight	100000 g/mol
Boiling Point	350 °C
Flash Point	300 °C
Purity	98–99%
Refractive Index	1.52
Solubility	Insoluble in water; soluble in nonpolar solvents such as benzene, toluene, xylene, chloroform
Uses	Elastomeric polymer used in rubber compounding, adhesives, coatings, sealants, impact modifiers for plastics

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