

## **Technical Data Sheet**

MATERIAL:	Polybutadiene, cis	
CATALOG NUMBER:	552	
CAS NUMBER:	9003-17-2	
<b>DESCRIPTION:</b>	High cis polybutadiene	
FORMULA:	$(C_4H_6)_x$	
TYPICAL PROPERTIES:	Appearance: Cis polybutadiene: Approx Mw: Mooney viscosity: Density: Refractive index: Solubility:	Slab 98% 200,000 [GPC] 55 0.91 n <sub>D</sub> <sup>25</sup> 1.5200 Aromatic hydrocarbons
GENERAL INFORMATION:	Polybutadiene [butadiene rubber BR] is a synthetic rubber. Polybutadiene rubber is a polymer formed from the polymerization of the monomer 1,3-butadiene. Polybutadiene has a high resistance to wear and is used especially in the manufacture of tires. Polybutadiene as also used as an additive to improve the toughness (impact resistance) of plastics such as polystyrene and acrylonitrile butadiene styrene (ABS). It is also used to manufacture golf balls, various elastic objects and to coat or encapsulate electronic assemblies, offering high electrical resistivity.	

**STRUCTURE:** 

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