



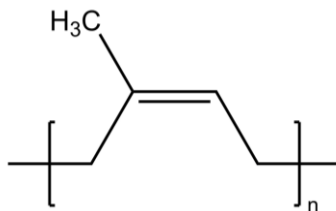
Technical Data Sheet

MATERIAL:	Polyisoprene, cis
CATALOG NUMBER:	036
CAS NUMBER:	104389-31-3
DESCRIPTION:	Cis-1,4-Poly(2-methyl-1,3-butadiene)
FORMULA:	$(C_5H_8)_x$

TYPICAL PROPERTIES:

Appearance:	Slab
Cis 1,4:	97%
Approx Mw:	800,000 [GPC]
Mooney viscosity:	82
Refractive index:	n_D^{20} 1.5191
Density:	0.91 (25°C)
Glass transition temp:	-67°C
Solubility parameter:	7.9
Solubility:	Aliphatic, aromatic, and cycloaliphatic hydrocarbons

GENERAL INFORMATION: Cis-polyisoprene is a synthetic elastomer which can be used to replace natural rubber in most applications. Application areas include footwear, coated fabrics, dipped goods, adhesives and tires.

STRUCTURE:

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