



## Technical Data Sheet

**MATERIAL:** Polyisoprene, trans

**CATALOG NUMBER:** 073

**CAS NUMBER:** 104389-32-4

**DESCRIPTION:** Trans polyisoprene

**FORMULA:**  $(C_5H_8)_x$

**TYPICAL PROPERTIES:**

Appearance:	Chips
Approx Mw:	400,000 [GPC]
Density:	0.96
Glass transition temp:	-68°C
Melting point:	67°C
Flash point:	392°F
Solubility:	Aromatic hydrocarbons (hot), THF

**GENERAL INFORMATION:**

Product is a solution polymerized, non-staining, high trans 1,4-polyisoprene rubber with a rapid rate of crystallization and excellent gum tensile strength. It can be mixed and processed at temperatures up to 148°C on conventional rubber equipment. It is compatible with acrylonitrile-butadiene, styrene-butadiene, butyl, polybutadiene, and natural rubbers, and with polyethylene, PVC, polypropylene, polyamide and ABS resins. Trans 1,4-polyisoprene has been used in a variety of applications, as a replacement for refined balata, such as golf ball covers and hot melt adhesives.

**STRUCTURE:**

