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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:

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