



Technical Data Sheet

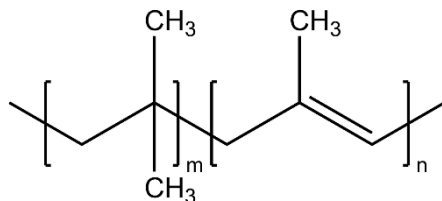
MATERIAL:	Poly(isobutylene-co-isoprene)
CATALOG NUMBER:	874
CAS NUMBER:	9010-85-9
DESCRIPTION:	Isobutylene/isoprene copolymer, 2.2 mole% isoprene
FORMULA:	$(C_5H_8 \cdot C_4H_8)_x$

TYPICAL PROPERTIES:

Appearance:	Slab
Approx Mw:	500,000
Mooney viscosity:	45
Density:	0.92
Stabilizer:	0.1 wt%
Solubility:	THF

GENERAL INFORMATION:

Isobutylene/isoprene copolymers, also known as butyl rubbers, are a copolymer of isobutene with 3% or less of isoprene for cross-linking. Poly(isobutylene-co-isoprene) copolymers have been used in pressure-sensitive adhesive applications such as labels and tape adhesives. Because of their excellent low temperature flexibility, nontoxicity and light color, the materials are used in medical applications (surgical tape, oral bandages, ostomy appliances and others), freezer label adhesives and pipe wrap and electrical tapes. The first major application of butyl rubber was tire inner tubes. This remains an important segment of its market even today. The first major application of butyl rubber was tire inner tubes. This remains an important segment of its market even today.

STRUCTURE:

Technical information and data regarding the composition, properties or use of the products described herein is believed reliable. However, no representation or warranty is made with respect thereto except as made by Sp² in writing at time of sale. Sp² cannot assume responsibility for any patent liability which may arise from the use of any product in a process, manner or formula not designed by Sp².