



Technical Data Sheet

MATERIAL: Poly(isobutylene-co-isoprene), brominated

CATALOG NUMBER: 649

CAS NUMBER: 68441-14-5

DESCRIPTION: Brominated butyl rubber

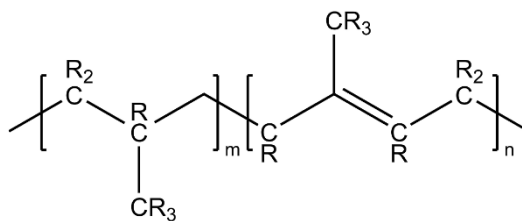
FORMULA: Unspecified

TYPICAL PROPERTIES:

Appearance:	Slab
Isoprene content:	1.5%
Bromine content:	2.1%
Approx Mw:	540,000
Mooney viscosity:	46 (125°C)
Density:	0.93
Flash point:	410°F
Stabilizer:	1.4 wt%
Solubility:	Partially in THF

GENERAL INFORMATION: Prepared by the bromination of butyl rubber which contains approximately 98% polyisobutylene with 2% isoprene distributed randomly in the polymer chain. Brominated butyl rubber can be vulcanized more quickly than butyl rubber. Zinc oxide is commonly used to crosslink bromobutyl rubber. Stabilizers such as calcium stearate and epoxidized soybean oil can be used to prevent dehydrohalogenation during processing. Halogenated butyl rubbers find application as inner tubes and sidewalls in tire products as well as valve seals, tank liners, and mounts.

STRUCTURE:



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