



Technical Data Sheet

MATERIAL:	1,2-Polybutadiene
CATALOG NUMBER:	688
CAS NUMBER:	31567-90-5
DESCRIPTION:	Syndiotactic 1,2-polybutadiene
FORMULA:	(C ₄ H ₆) _x

TYPICAL PROPERTIES:

Appearance:	Beads
Cis-1,4:	7%
Vinyl-1,2:	93%
Approx Mw:	100,000
Refractive index:	n _D ²⁵ 1.517
Density:	0.91
Vicat softening point:	66°C
Crystallinity (Approx):	29%
Melt flow index:	3 g/10min (150°C)
Melting point:	90°C
Solubility:	Benzene, chlorobenzene, chloroform, cyclohexane, THF, toluene

GENERAL INFORMATION:

This polymer is a reactive thermoplastic resin which has characteristics of both a thermoplastic and elastomer. It finds application as a thermoplastic resin in products such as films, footwear soles, tubes and hoses. It finds application as a rubber in products such as sponges, solid tires, dock fenders and rubber gloves. Other miscellaneous applications include hot melt adhesives, electrical insulation, crosslinking accelerator for polyolefins and photosensitive paint.

STRUCTURE: