



## Technical Data Sheet

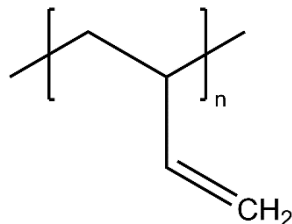
<b>MATERIAL:</b>	1,2-Polybutadiene
<b>CATALOG NUMBER:</b>	688
<b>CAS NUMBER:</b>	31567-90-5
<b>DESCRIPTION:</b>	Syndiotactic 1,2-polybutadiene
<b>FORMULA:</b>	(C <sub>4</sub> H <sub>6</sub> ) <sub>x</sub>

**TYPICAL PROPERTIES:**

Appearance:	Beads
Cis-1,4:	7%
Vinyl-1,2:	93%
Approx Mw:	100,000
Refractive index:	n <sub>D</sub> <sup>25</sup> 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:**

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