



Technical Data Sheet

MATERIAL: Poly(1-butene), isotactic

CATALOG NUMBER: 338

CAS NUMBER: 25036-29-7

DESCRIPTION: Isotactic 1-butene homopolymer

FORMULA: $(C_4H_8)_x$

TYPICAL PROPERTIES:

Appearance:	Pellets
Approx Mw:	570,000
Density:	0.915
Refractive index:	n_D^{25} 1.5125
Melt index:	0.4 g/10min
Glass transition temp:	-24°C
Melting point:	125°C
Vicat softening point:	113°C
Solubility:	(above 80°C) Benzene, chloroform, α -chloronaphthalene, decalin, tetralin, toluene

GENERAL INFORMATION: Prepared by polymerization of 1-butene with Ziegler-Natta catalyst. Heated to 190°C and above, poly(1-butene) can be compression or injection molded. Typical applications include piping, packaging and hot melt adhesives.

STRUCTURE:

