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Technical Data Sheet

MATERIAL:	Poly(1-butene), isotactic

CATALOG NUMBER: 128

CAS NUMBER: 25036-29-7

DESCRIPTION: Isotactic 1-butene homopolymer

FORMULA: $(C_4H_8)_x$

TYPICAL PROPERTIES:

 $\begin{array}{lll} \mbox{Appearance:} & \mbox{Pellets} \\ \mbox{Density:} & 0.915 \\ \mbox{Refractive index:} & \mbox{n_D}^{25} \mbox{ 1.5125} \\ \mbox{Melt index:} & 1.8 \mbox{ $g/10$ min} \\ \mbox{Glass transition temp:} & -24 \mbox{$^{\circ}$} \mbox{$^{\circ}$} \end{array}$

Glass transition temp: -24°C Melting point: 125°C

Solubility: (above 80°C) Benzene, chloroform,

 $\alpha\text{-chloronaphthalene},$ 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:

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