



Technical Data Sheet

MATERIAL:	Polypropylene, isotactic
CATALOG NUMBER:	130
CAS NUMBER:	9003-07-0
DESCRIPTION:	Isotactic propylene homopolymer
FORMULA:	$(C_3H_6)_x$

TYPICAL PROPERTIES:

Appearance:	Pellets
Intrinsic viscosity:	2.2-2.5
Refractive index:	n_D^{20} 1.49
Density:	0.90 (23°C)
Glass transition temp:	-26°C
Melting point:	160°C
Solubility parameter:	9.2
Melt flow index:	4 g/10min
Flash point:	>625°F
Solubility:	Aliphatic, cycloaliphatic and aromatic hydrocarbons (all above 80°C)

GENERAL INFORMATION:

Isotactic polypropylene is produced by Ziegler-Natta polymerization. Polypropylene has found many applications, ranging from fiber and filaments to films and extrusion coatings. Major uses include carpet yarns, upholstery fabrics, automotive parts, packaging, toys, housewares and appliance parts.

STRUCTURE: