VATAN POLYMER

Product Data Sheet

VP-LD-0075

Description:

VP-LD-0075 is a high molecular weight low density polyethylene film grade. Film made from VP-LD-0075 exhibits high dart impact combined with excellent yield and tensile strength and high stiffness. It can be processed on automatic machines. It is chiefly recommended for extrusion of blown film.

Features

Good flexible extrusion behavior and dimensional stability, superior mechanical properties, suitable for shrink film having a high resistance to hole formation and high degree of shrinkage on cooling.

Applications

Carrier bags, shrink and industrial films, dust bin liners, large bottles, blow moulding of small containers, packaging of pharmaceutical products, packaging of foodstuffs, and bottles of chemical products.

Packaging

Supplied in the form of pellets, or in bulk, or in 25 Kg bags.

Physical properties	Unit	Typical value	Test method
MFR (190 °C / 2.16 Kg)	g/10min.	0.75	ASTM D-1238
Density	g/cm^3	0.920	* TSTM 209-B
Thermal properties	**Unit**	**Typical value**	**Test method**
Heat deflection temperature	°C	33	ASTM D-648
Vicat softening point	°C	95	ASTM D-1525
Mechanical properties	**Unit**	**Typical value**	**Test method**
Elongation at break (MD)	%	300 min.	ASTM D-882
Elongation at break (TD)	%	450 min.	ASTM D-882
Tensile stress at break (MD)	Kg/cm^2	170 min.	ASTM D-882
Dart drop impact	g	120 min.	ASTM D-1709

* TSTM = Toyo Soda Standard Test Method