

Product Datasheet

High Density Polyethylene

Process:

Blown Film Extrusion

HDF 00350 is a high-density polyethylene, developed for the high molecular weight film extrusion segment produced with bimodal technology. The film produced from this resin has high tenacity and excellent resistance to impact characteristics. This resin has wide molar mass distribution that makes it easier to process.

Applications:

Bags in general (such as T-shirt bags, handle bags, star bags, others); geomembranes.

Control & Typical Properties			
Feature	Method	Units	Values
Melt Flow Rates (190 °C/5.0 kg)	D 1238	g/10 min	0.35
Melt Flow Rates (190 °C/21.6 kg)	D 1238	g/10 min	9.0
Density	D 792	s/cm ³	0.950
Elongation at Break (MD/TD)	D 882	%	590/740
Tensile Strength at Yield (MD/TD)	D 882	Mpa	40/30
Tensile Elongation at Break (MD/TD)	D 882	Mpa	85/45
Elongation at Yield (MD/TD)	D 882	%	15/5
Dart Drop Impact	D 1709	g/F50	200
Elmendorf Tear Strength	D 1922	gF	mai/50

MD=extrusion direction and TD=transversal direction

¹ Typical values which can vary within specification limits and are not to be construed as specifications.

² 5 kg/190 C.