

## Product Datasheet

### Low Density Polyethylene

#### Description:

LDI 00222 is a low-density, high molecular-weight polyethylene that offers high mechanical strength. The product is highly versatile and can be used in several applications due to its easy processability and high compatibility with other types of polyethylene. LDI 00222 resin shows excellent performance with conventional extruders and low energy consumption during processing, which allows the production of packages with dimensional uniformity and excellent surface finishing. This product is identified as PE 115 according to ASTM D-4976-04a standard specification.

#### Applications:

Blends with HDPE, Blends with LLDPE, plastic covers, Roll films for high strength industrial packaging

Control & Typical Properties			
Feature	Method	Units	Values
Melt Flow Rates (190 °C/2.16 kg)	D 1238	g/10 min	0.27
Density	D 792	s/cm <sup>3</sup>	0.922
Elongation at Break (MD/TD)	D 882	%	380/910
Tensile Strength at Break (MD/TD)	D 882	Mpa	20/20
Elmendorf Tear Strength (MD/TD)	D 1922	gf	300/220
Dart Drop Impact	D 1709	g/F50	230
Haze	D 1003	%	20
Gloss - Angle 60°	D 2457	%	49

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

<sup>2</sup> 2.16 kg/190 °C.