



LL20FS010

LINEAR LOW DENSITY POLYETHYLENE FOR FILM EXTRUSION GRADE

LL20FS010 is a Butene Comonomer based Linear Low Density Polyethylene (LLDPE) with optimum levels of antioxidant, antiblocking agent & slip additives. The grade is designed to make blown film for heavy duty & liquid packaging applications.

Typical Characteristics*			
Property	Test Method	Unit	Typical Value**
Melt Flow Index (190°C/2.16 kg)	ASTM D1238	gm/10 min	1.0
Density (23°C)	ASTM D1505	gm/cm ³	0.920
Tensile Strength at break (MD/TD)	ASTM D882	kg/cm ²	400/300
Elongation at break (MD/TD)	ASTM D882	%	700/800
Elmendorff Tear Strength (MD/TD)	ASTM D1922	gm/25 mil	225/500
Dart Drop Impact (F-50)	ASTM D1709/A	g/μm	3

* Typical values not to be taken as specification

** Typical values (Mechanical) with 40μ film made with 1.8mm die gap & 2.25 BUR

Applications

Slip, anti-block grade for heavy duty film, liquid packaging

Regulatory Information

- Meets the requirements stipulated in standard IS : 10146-1982 on "Specification for Polyethylene for safe use in contact with foodstuffs, pharmaceuticals, and drinking water". It also conforms to the positive list of constituents as prescribed in IS : 10141-1982. The grade and the additives incorporated in it also comply with the FDA:CFR Title 21, 177.1520, Olefin polymers.

Storage Recommendations

- Bags should be stored in dry / closed conditions at temperatures below 50°C and protected from UV / direct sunlight.

Reliance Industries Limited, Polymer Research and Technology Centre,
Swastik Mill Compound, V.N. Purav Marg, Chembur, Mumbai-400 071. Tel.: +91-22-6767 7000. E-mail: polymer_patsupport@ril.com Website: www.ril.com

• The information and data presented herein is true and accurate to the best of our knowledge. No warranty or guarantee expressed or implied, is made regarding performance or otherwise. This information and data may not be considered as a suggestion to use our products without taking into account existing patents, or legal provisions or regulations, whether national or international. • The user of any information and/or data is advised to obtain the latest details from any of the offices of the company or its authorised agents, as the information and/or data is subject to change based on the research and development work undertaken by the company.

Updated as of May, 2007