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LG Chem

LLDPE UF1001 Series

Z-N LLDPE

Characteristics

- Good physical properties and process-ability
- Co-monomer : 1-Butene
- TnPP is not intentionally added to LLDPE UF1001 Series
- Additives

Grade	Slip	Anti-Block	Processing Aid	Antioxidant
UF1001DN	-	-	-	O
UF1001DA	-	2,500ppm	-	O
UF1001DL	500ppm	2,500ppm	O	O
UF1001DM	1,000ppm	2,500ppm	-	O
UF1001DH	1,500ppm	2,500ppm	-	O

Application

- Agricultural Film, Food Packaging Film, Industrial Packaging Film, Lamination Film

Properties

Item	Test Method	Unit	Typical Value
Resin Properties			
Density	ASTM D1505	g/㎤	0.919
Melt Index (190℃/2.16kg)	ASTM D1238	g/10min	1.0
Peak Melting Temperature	LG Method	℃	121
Film Properties			
Tensile strength at Break MD/TD	ASTM D882	kg/㎠	350 / 350
Elongation at Break MD/TD	ASTM D882	%	550 / 800
Secant Modulus - 1% Secant MD/TD	ASTM D882	kg/㎠	2,700 / 3,100
Dart Impact Strength	ASTM D1709A	g	<135
Elmendorf Tear Strength MD/TD	ASTM D1922	g	170 / 360
Haze	ASTM D1003	%	13

1) Film properties are measured on 25㎛ film specimen*, and properties may vary depending on processing equipment & conditions.
   * B.U.R : 2.5, Processing temperature : 170℃
2) The data in this table are typical values, and not guaranteed specification

Processing Information

- Processing temperature : 150 ~ 180℃
- Blow up ratio : 1.5 ~ 3.0
- Film thickness (㎛) : 20 ~ 200