

LDPE

Low Density Polyethylene



Low Density Polyethylene (LDPE) under the brand of InnoPlus, is produced by PTT Global Chemical Public Company Limited (GC). The capacity for LDPE production is 300,000 MTA.

InnoPlus LDPE is produced by high pressure tubular process, a technology licensed by LyondellBasell. The technology can provide the wide range of LDPE products. InnoPlus LDPE is easy to process and has an adequate balance between optical and mechanical properties. InnoPlus LDPE is widely used in manufacturing for various kind of segment such as heavy duty film, packaging film, zip bag, general purpose film, shrink film, foam sheet, bubble films, tubes and small blow molding applications.



Physical Properties*	Test Method	Unit	Grade							
			LD2420D ⁽¹⁾	LD2420F ⁽²⁾	LD2420H ⁽²⁾	LD2426H ⁽²⁾	LD2420K ⁽²⁾	LD2426K ⁽²⁾	LD2026K ⁽²⁾	
MFR (190 °C, 2.16 kg)	ISO 1133	g/10 min	0.27	0.75	1.9	1.9	4	4	4	
Density	ISO 1183	g/cm ³	0.922	0.922	0.924	0.924	0.924	0.924	0.920	
Melting Temperature	ISO 11357	°C	112	112	110	110	110	110	109	
Vicat Softening Point	ASTM D1525	°C	96	94	93	93	93	93	86	
Film Properties**										
Haze	ASTM D1003	%	8	6	6	7	7	8	6	
Gloss (20°)	ASTM D2457	-	50	60	80	80	90	90	70	
Dart Drop Impact	ASTM D1709	g	220	170	140	150	130	120	120	
Max. Tensile Strength (MD)	ISO 527	MPa	28	25	23	23	20	20	19	
Max. Tensile Strength (TD)	ISO 527	MPa	27	23	20	20	18	18	17	
Ultimate Elongation (MD)	ISO 527	%	450	400	500	500	560	500	560	
Ultimate Elongation (TD)	ISO 527	%	700	700	700	700	700	630	700	
Special Feature			-	-	-	Slip & Antiblock	-	Slip & Antiblock	Slip & Antiblock	
Application			Heavy duty films, Agriculture films, Shrink films, Tubes and small extrusion blow molding containers			General purpose films, Zip bags, PE foam sheet and air bubble films				

The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose. All above values are typical values, not to be construed as specification.

* Data based on pellets and press-molded sheet.

** Data based on blown film;

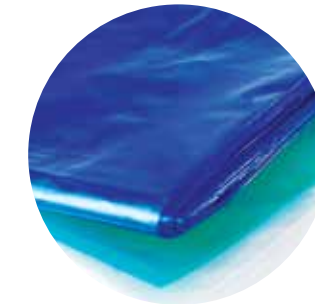
MD : Machine Direction.

TD : Transverse Direction.

Note: (1) Film properties tested using 70 microns thickness blown film extruded at blow-up ratio of 2.5 and 35 kg/hr output rate.

(2) Film properties tested using 50 microns thickness blown film extruded at blow-up ratio of 2.5 and 35 kg/hr output rate.

Typical values; not to be construed as specification.



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