

低密度聚乙烯 Low Density Polyethylene (LDPE) 特性 PROPERTIES

物理属性* Physical Properties*	测试方式 Test Methods	单位 Units	LD1840D	LD2420D	LD2420F	LD2426F	LD2020H	LD2220H	LD2426H	LD2426K	LD2420M	LD2420T
熔体流动率, 190°C, 2.16kg MFR, 190°C, 2.16 kg.	ISO 1133	g/10 min	0.3	0.3	0.8	0.8	1.5	1.9	1.9	4.0	7.0	36.0
密度 Density	ISO 1183	g/cm ³	0.920	0.923	0.923	0.924	0.920	0.922	0.924	0.924	0.923	0.924
熔融温度 Melting Temperature	ISO 11357	°C	108	111	111	111	108	110	111	111	111	112
维卡耐热度 Vicat Softening Point	ISO 306	°C	93	97	96	96	91	93	94	92	90	89
屈服拉伸强度 Tensile Strength at Yield	ISO 527	N/mm ²	9	10	11	11	9	11	11	11	11	11
拉伸模数 Tensile Modulus	ISO 527	N/mm ²	200	240	260	260	200	240	260	260	270	280

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薄膜厚度* Film Thickness*	-	micron	70	70	50	50	n.a.	n.a.	50	50	n.a.	n.a.
薄雾 Haze	ASTM D-1003	%	<25	<15	<10	<10	n.a.	n.a.	50	50	n.a.	n.a.
光泽 (20°) Gloss (20°)	ASTM D-2457	-	>10	>20	>40	>40	n.a.	n.a.	<8	<8	n.a.	n.a.
落锤冲击强度 Dart Drop Impact	ASTM D-1709	g	>150	>150	>110	>110	n.a.	n.a.	>80	>90	n.a.	n.a.
最大纵向抗拉强度 MD Max. Tensile Strength MD	ISO 527	MPa	24	24	23	23	n.a.	n.a.	>90	>70	n.a.	n.a.
最大横向抗拉强度 TD Max. Tensile Strength TD	ISO 527	MPa	18	18	18	18	n.a.	n.a.	21	17	n.a.	n.a.
极限纵向伸长 MD Ultimate Elongation MD	ISO 527	%	180	180	190	190	n.a.	n.a.	15	12	n.a.	n.a.
极限横向伸长 TD Ultimate Elongation TD	ISO 527	%	550	550	550	550	n.a.	n.a.	220	260	n.a.	n.a.

*基于球团及压模薄片的数据。

**基于吹膜的数据。MD: 纵向; TD: 横向。

注: 薄膜生产条件: 模具 100mm; 间隙 0.8mm; 吹胀比 2.5; 输出速度 30kg/h。
代表值; 不作为规范进行说明。

n.a.: 不可用

*Data based on pellets and press-molded sheet

**Data based on blown film; MD: Machine Direction; TD: Transverse Direction

Note: Condition for film production: Die 100 mm; gap 0.8 mm; blow up ratio 2.5; output 30 kg/h.
Typical values; not to be construed as specification.

n.a.: not available

InnoPlus 牌低密度聚乙烯 (LDPE) 由 PTT Polyethylene Company Limited (PTTPE) 生产, PTTPE 为 PTT Chemical Public Company Limited (PTT Chemical) 的子公司。LDPE 的生产能力为 30 万吨/年。

InnoPlus LDPE 聚乙烯采用经 Basell 授权的高压管工艺制造而成。此技术能提供较大范围的 LDPE 产品, InnoPlus LDPE 聚乙烯易加工并在光学性质与机械属性方面取得较好的平衡。InnoPlus LDPE 广泛应用于各生产领域如重包装用膜、包装膜、拉链袋、通用薄膜、涂膜或复合薄膜、包装或闭包、母粒及注射应用。

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

InnoPlus LDPE is produced by high pressure tubular process, a technology licensed by Basell. This 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 segments such as heavy duty film, packing film, zip bag, general purpose film, coated or laminated film, cap and closure, masterbatch and injection application.

