

# InnoPlus LD2420D

Low Density Polyethylene

PTT Global Chemical Public Company Limited

Message:

InnoPlus LD2420D is produced by high pressure tubular process, a technology licensed by LyondellBasell. This grade offers easy processability, good balance of mechanical and optical properties. Film extruded from InnoPlus LD2420D has high tensile strength, elongation, good toughness and good tear strength.

General Information	
Features	Good Processability
	Good Tear Strength
	Good Toughness
	High Elongation
	High Tensile Strength
	Opticals
Uses	Agricultural Applications
	Film
	Liners
	Shrink Wrap
Forms	Pellets
Processing Method	Blow Molding
	Film Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.27	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Compression Molded)	240	MPa	ISO 527-2
Tensile Stress (Yield, Compression Molded)	10.0	MPa	ISO 527-2
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	70	µm	ISO 527-3
Tensile Stress			
MD : Break, 70 µm, Blown Film	24.0	MPa	
TD : Break, 70 µm, Blown Film	18.0	MPa	ISO 527-3
Tensile Elongation			
MD : Break, 70 µm, Blown Film	320	%	
TD : Break, 70 µm, Blown Film	550	%	ASTM D1709
Dart Drop Impact (70 µm, Blown Film)	200	g	

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	95.0	°C	ASTM D1525
Melting Temperature	111	°C	ISO 11357-3
Optical	Nominal Value	Unit	Test Method
Gloss (20°, 70.0 µm, Blown Film)	> 20		ASTM D2457
Haze (70.0 µm, Blown Film)	< 15	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	170 to 220	°C	

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#### Recommended distributors for this material

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