

# InnoPlus LD2420F

Low Density Polyethylene  
PTT Global Chemical Public Company Limited

Message:

Special Characteristics : InnoPlus LD2420F is produced by high pressure tubular process, a technology licensed by LyondellBasell. This grade offers excellent processability for increased extruder outputs, good balance of mechanical and optical properties, exceptional clarity and gloss.

Typical Applications : InnoPlus LD2420F is recommended for producing the heavy duty films, liners, shrink hoods, bags & pouches and agricultural films.

General Information	
Features	Additive Free
	Good Processability
	High Clarity
	High Gloss
	Opticals
Uses	Agricultural Applications
	Blown Containers
	Film
	Shrink Wrap
	Tubing
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)	0.75	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Compression Molded)	260	MPa	ISO 527-2
Tensile Stress (Yield, Compression Molded)	11.0	MPa	ISO 527-2
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	ISO 527-3
Tensile Stress			
MD : Break, 50 µm, Blown Film	25.0	MPa	
TD : Break, 50 µm, Blown Film	19.0	MPa	ISO 527-3
Tensile Elongation			
MD : Break, 50 µm, Blown Film	300	%	
TD : Break, 50 µm, Blown Film	600	%	ASTM D1709
Dart Drop Impact (50 µm, Blown Film)	110	g	

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	94.0	°C	ASTM D1525
Melting Temperature	111	°C	ISO 11357-3
Optical	Nominal Value	Unit	Test Method
Gloss (20°, 50.0 µm, Blown Film)	> 40		ASTM D2457
Haze (50.0 µm, Blown Film)	< 10	%	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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