

InnoPlus LD2420K

Low Density Polyethylene

PTT Global Chemical Public Company Limited

Message:

Special Characteristics : InnoPlus LD2420K is produced by high pressure tubular process, a technology licensed by LyondellBasell. This grade has well balance property of optical property, mechanical property and processability.

Typical Applications : InnoPlus LD2420K is designed for variety of film application such as general purpose film, shrink film, zip bag and food packaging film. In addition, LD2420K is very suitable for liner cap, drinking water cap and vegetable oil cap and foam application.

Additives : No additives.

General Information			
Features	Additive Free		
	General Purpose		
	Good Processability		
	Opticals		
Uses	Bags		
	Caps		
	Film		
	Foam		
	General Purpose		
	Packaging		
	Shrink Wrap		
Agency Ratings	FDA 21 CFR 177.1520		
RoHS Compliance	RoHS Compliant		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.924	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	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	19.0	MPa	
TD : Break, 50 µm, Blown Film	18.0	MPa	ISO 527-3
Tensile Elongation			
MD : Break, 50 µm, Blown Film	400	%	
TD : Break, 50 µm, Blown Film	600	%	

Dart Drop Impact (50 µm, Blown Film)	90	g	ASTM D1709
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)	> 90		ASTM D2457
Haze (50.0 µm, Blown Film)	< 8.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	Test Method
Melt Temperature	150 to 190	°C	

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