InnoPlus LD2426K

Low Density Polyethylene

PTT Chemical Public Company Limited

Product Description
InnoPlus LD2426K 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.

General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific		
Additive	• Antiblock	• Slip	
Features	• Antiblocking • Good Processability	• Opticals • Slip	
Uses	• Bags • Caps	• Film • Food Packaging	• Liners • Shrink Wrap

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.924 g/cm³	0.924 g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0 g/10 min	4.0 g/10 min	ISO 1133
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Modulus (Compression Molded)	37700 psi	260 MPa	ISO 527-2
Tensile Stress (Yield, Compression Molded)	1600 psi	11.0 MPa	ISO 527-2
Films	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Film Thickness - Tested	2.0 mil	50 µm	
Tensile Stress			ISO 527-3
MD: Break, 2.0 mil (50 µm), Blown Film	2470 psi	17.0 MPa	
TD: Break, 2.0 mil (50 µm), Blown Film	2180 psi	15.0 MPa	
Tensile Elongation			ISO 527-3
MD: Break, 2.0 mil (50 µm), Blown Film	300 %	300 %	
TD: Break, 2.0 mil (50 µm), Blown Film	540 %	540 %	
Dart Drop Impact			ASTM D1709
2.0 mil (50 µm), Blown Film	100 g	100 g	
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Vicat Softening Temperature	199 °F	93.0 °C	ASTM D1525
Melting Temperature	232 °F	111 °C	ISO 11357-3
Optical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Gloss (20°, 1.97 mil (50.0 µm), Blown Film)	> 80	> 80	ASTM D2457
Haze (1.97 mil (50.0 µm), Blown Film)	< 9.0 %	< 9.0 %	ASTM D1003

Extrusion	Nominal Value (English)	Nominal Value (SI)
Melt Temperature	302 to 374 °F	150 to 190 °C

Notes

[1] Typical properties: these are not to be construed as specifications.

Revision History
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