Purell PE 3020 K

Low Density Polyethylene

LyondellBasell Industries

Message:

Purell PE 3020 K is a non-additivated, low density polyethylene with high rigidity, good opticals and good chemical resistance. It is delivered in pellet form.
Without exception, all potential activities for applications in the pharmaceutical, medical device, laboratory and diagnostics area have to be discussed with the relevant Technical and Business contacts first. To discuss a medical/pharmaceutical application please contact: your local Distributor or your local LyondellBasell contact.

General Information			
Features	Good Chemical Resistance		
	Good Heat Seal		
	Good Processability		
	Good Stiffness		
	Heat Sealable		
	High Rigidity		
	Opticals		
Uses	Film		
	Medical/Healthcare Applications		
	Pharmaceuticals		
Forms	Pellets		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.928	g/cm³	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	300	MPa	ISO 527-2
Tensile Stress (Yield)	13.0	MPa	ISO 527-2
Coefficient of Friction (Blown Film)	> 0.80		ISO 8295
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Recommended / Available	15 to 40 µm		
Tensile Strength			ISO 527-3
MD : 50 µm, Blown Film	20.0	MPa	
TD : 50 µm, Blown Film	17.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 50 µm, Blown Film	350	%	
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	97.0	°C	ISO 306/A50
Melting Temperature (DSC)	114	°C	ISO 3146
Optical	Nominal Value	Unit	Test Method
Gloss			ASTM D2457
20°, 50.0 µm, Blown Film	> 80		
60°, 50.0 µm, Blown Film	> 115		
Haze (50.0 µm, Blown Film)	< 7.0	%	ASTM D1003
Additional Information	Nominal Value	Unit	Test Method
Failure Energy [1] (50.0 µm)	55.0	J/cm	DIN 53373
Extrusion	Nominal Value	Unit	
Melt Temperature	150 to 190	°C	
NOTE			
1.	Blown Film		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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Phone: +86 13424755533

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