Luflexen hyPE 35 P FA

Medium Density Polyethylene

LyondellBasell Industries

Message:

Luflexen hyPE 35P FA is a high performance, medium density polyethylene grade. This product combines outstanding impact resistance with an excellent stiffness. This grade offers good processability in a broad processing window. It contains antioxidants and is delivered in pellet form.
Foodlaw compliance information about this product can be found in separate product documentation.
This product is not intended for use in medical and pharmaceutical applications.

General Information			
Additive	Antioxidation		
Features	Low speed solidification crystal point Rigid, good Perforation resistance Antioxidation Impact resistance, high Workability, good Good liquidity		
Uses	Packaging Films Food packaging Plastic modification		
Forms	Particle		
Processing Method	Blow film		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.935	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.80	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	600	MPa	ISO 527-2
Tensile Stress (Yield)	16.0	MPa	ISO 527-2
Films	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ISO 527-3
MD: 50 µm, blown film	43.0	MPa	ISO 527-3
TD: 50 µm, blown film	42.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: Broken, 50 µm, blown film	600	%	ISO 527-3
TD: Broken, 50 µm, blown film	650	%	ISO 527-3
Dart Drop Impact (50 µm, Blown Film)	370	g	ASTM D1709

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	119	°C	ISO 306/A50
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss			ASTM D2457
20, 50.0 µm, blown film	> 10		ASTM D2457
60, 50.0 µm, blown film	> 50		ASTM D2457
Haze (50.0 µm, Blown Film)	< 35	%	
Additional Information			
Film properties tested using 50 µm thickness blown film extruded at a melt temperature of 200°C and a blow-up ratio of 1:2.5.			
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	190 - 220	°C	

Recommended distributors for this material

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