

Luflexen hyPE 35 P FA

Polyethylene, Medium Density

Product Description

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.

Product Characteristics

Test Method used	ISO
Processing Methods	Blown Film
Features	Antioxidant, Good Flow, Low Gel, High Impact Resistance , Good Puncture Resistance
Typical Customer Applications	Blown Film, Film, Food Packaging Film, Heavy Duty Packaging, Products for Use in Property Modification

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.935	g/cm³
Melt flow rate (MFR) (190°C/2.16kg)	ISO 1133	0.8	g/10 min
Mechanical			
Dart drop impact (50 µm, Blown Film)	ASTM D 1709	370	g
Tensile Modulus	ISO 527-1, -2	600	MPa
Tensile Stress at Yield	ISO 527-1, -2	16	MPa
Tensile Strength	ISO 527-1, -3		
		43	MPa
Note: MD			
		42	MPa
Note: TD			
Tensile Strain at Break	ISO 527-1, -3		
		600	%
Note: MD			
		650	%
Note: TD			
Thermal			
Vicat softening temperature (A50 (50°C/h 10N))	ISO 306	119	°C
Optical			
Haze (50 µm)	ASTM D 1003	<35	%
Gloss	ASTM D 2457		



(60°, 50 µm)	>50
(20°, 50 µm)	>10
Film	
Melt Temperature	190 to 220 °C

Additional Properties

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.

Notes

Typical properties; not to be construed as specifications.

