

Jam 15YF8

Linear Low Density Polyethylene

Jam Petrochemical Company

Message:

15YF8 is a hexane HP-LLDPE blown film grade for high performance applications. This resin processes easier than conventional LLDPEs and has low gels.

Features

High performance applications

Heavy duty

Applications

Blown film grade

General Information			
Additive	Anti-caking agent		
	Antioxidation		
	slip agent		
Features	Low speed solidification crystal point		
	smoothness		
	hexene comonomer		
	Anti-caking property		
	Antioxidation		
Uses	Blown Film		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.915	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.77	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	
Film Thickness	18.0 - 180	µm	
Blow-up Ratio	2.00 - 3.50		
secant modulus			ASTM D882
2% secant, MD: 25 µm, blown film	190	MPa	ASTM D882
2% secant, TD: 25 µm, blown film	220	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 25 µm, blown film	12.5	MPa	ASTM D882
TD: Yield, 25 µm, blown film	13.4	MPa	ASTM D882
MD: Broken, 25 µm, blown film	35.0	MPa	ASTM D882
TD: Broken, 25 µm, blown film	33.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 25 µm, blown film	700	%	ASTM D882

TD: Broken, 25 µm, blown film	860	%	ASTM D882
Dart Drop Impact (25 µm, Blown Film)	150	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 25 µm, blown film	170	g	ASTM D1922
TD: 25 µm, blown film	510	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.0 µm, Blown Film)	45		ASTM D2457
Haze (25.0 µm, Blown Film)	18	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	200 - 240	°C	

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