

Jam 524H1FX

High Density Polyethylene
Jam Petrochemical Company

Message:

524H1FX is a HDPE copolymer suitable for production of high stiffness blown film. This grade shown outstanding bubble stability at high film line speed and at low downgauging. It is well suited for monolayer film, blending and coextrusion.

Features

HDPE copolymer suitable
high stiffness blown film

Grade under final development, to be industrialised.

Applications

Film grade
monolayer film

General Information			
Features	Rigidity, high		
	Copolymer		
Uses	Blown Film		
	Mixing		
Processing Method	Blow film		
	Co-extrusion molding		
Physical	Nominal Value	Unit	Test Method
Density	0.952	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	0.15	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	15	µm	
secant modulus			ASTM D882
2% secant, MD: 15 µm, blown film	900	MPa	ASTM D882
2% secant, TD: 15 µm, blown film	800	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 15 µm, blown film	50.0	MPa	ASTM D882
TD: Yield, 15 µm, blown film	30.0	MPa	ASTM D882
MD: Broken, 15 µm, blown film	52.0	MPa	ASTM D882
TD: Broken, 15 µm, blown film	45.0	MPa	ASTM D882
Dart Drop Impact (15 µm, Blown Film)	70	g	ASTM D1709A
Tear Propagation Resistance			ASTM D1004
MD (Blown film) : 15.0 µm	200	g	ASTM D1004
TD (Blown film) : 15.0 µm	400	g	ASTM D1004
Extrusion	Nominal Value	Unit	
Melt Temperature	220	°C	

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