

Jam PE 524H1

High Density (HMW) Polyethylene
Jam Petrochemical Company

Message:

Jam PE 524H1 is a High Density (HMW) Polyethylene product. It can be processed by blow molding or blown film and is available in Africa & Middle East. Applications of Jam PE 524H1 include film and plumbing/piping/potable water. Primary characteristic: high stiffness.

General Information			
Features	High Stiffness		
Uses	Blow Molding Applications		
	Film		
	Piping		
Processing Method	Blow Molding		
	Blown Film		

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
Flow Rate Ratio	> 25.0		ASTM D1238
Graves Tear ¹			ASTM D1004
MD : 15.0 µm	200	g	
TD : 15.0 µm	400	g	
Titanium	3	ppm	

Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	15	µm	
Secant Modulus			ASTM D882
2% Secant, MD : 15 µm, Blown Film	900	MPa	
2% Secant, TD : 15 µm, Blown Film	800	MPa	
Tensile Strength			ASTM D882
MD : Break, 15 µm,Blown Film	50.0	MPa	
TD : Break, 15 µm,Blown Film	30.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 15 µm,Blown Film	300	%	
TD : Break, 15 µm,Blown Film	> 700	%	
Dart Drop Impact (15 µm, Blown Film)	60	g	ASTM D1709A

Optical	Nominal Value	Unit	Test Method
Yellowness Index (0.0250 mm)	0.0	YI	ASTM D1925

NOTE			
1.	Blown Film		

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