

# Jam HP-LL18XF5

Linear Low Density Polyethylene

Jam Petrochemical Company

## Message:

HP-LL18XF5 is a termopolymer of Ethylene, Propylene & Butene-1 for high strength application especially heavy duty shipping sacks, ice bag, frozen food bags, potato bags and agriculture films. Goods produced from this grade have outstanding toughness, excellent puncture resistance, good heat sealing behavior and excellent machinability on conversion lines. HP-LLDPE's process is easier than conventional LLDPEs and have low gel.

### Features

Exellent punctuer resistance.

Exellent machinability on conversion lines.

### Applications

Packaging

General Information	
Additive	Anti-caking agent
	Antioxidation
	slip agent
Features	High Toughness
	Low speed solidification crystal point
	High strength
	smoothness
	Perforation resistance
	Anti-caking property
	Antioxidation
	Machinable
	Heat sealable
	Terpolymer
Uses	Packaging
	Films
	Bags
	Agricultural application
	Heavy packing bag

Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.50	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Flow: Yield	11.0	MPa	ASTM D638
Transverse flow: Yield	10.0	MPa	ASTM D638

Flow: Fracture	40.0	MPa	ASTM D638
Transverse flow: Fracture	35.0	MPa	ASTM D638
Tensile Elongation			ASTM D638
Flow: Fracture	600	%	ASTM D638
Transverse flow: Fracture	750	%	ASTM D638
Films	Nominal Value	Unit	Test Method
Dart Drop Impact	130	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	240	g	ASTM D1922
TD	400	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	127	°C	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	25		ASTM D2457
Haze	30	%	ASTM D1003

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