



HPLL18X

LLDPE made via Spherilene Gas-Phase Technology

HP-LL18XF5 N is a termopolymer of ethylene, propylene and butene-1 for high Strength application especially heavy duty shipping sacks, ice bag, frozen food bags, potato bags and agriculture films which have good sealability and excellent puncture resistance. Goods produced from this grade have outstanding toughness, excellent puncture resistance, good heat sealing behavior and excellent machinability on conversion lines. HPLL18X's process is easier than conventional LLDPEs and have low gel. HPLL18XF5 N is a grade without slip additives.

HP-LLDPE: LL18XF5N

Characteristic Properties

Excellent puncture resistance.
Excellent machinability on conversion lines.

Density: 0.918 - 0.922

Main Applications

T-bags and other bags
Food Packaging for frozen products, Agricultural Film, Heat seal film, Food Packaging

Density: 0.918 - 0.922

Additives

Thermal Antioxidant (Process Stabilizer)
Catalyst neutralizer (acid scavenger, lubricant)
Antiblocking Agent

Resin Properties	Unit		Typical Value	Test Method
Melt Index (190°C/2.16Kg)	g/10 min		0.5	D1238
Density	g/cm ³		0.918	D1505
Film properties @				
Dart Impact	g		125	D1709
Vicat Softening Point	°C		127	D1525
Tensile Strength at yield	MPa	(MD/TD)	11/10	D638
Tensile Strength at break	MPa	(MD/TD)	40/35	D638
Ultimate elongation	%	(MD/TD)	600/750	D638
Elmendorf Tear	g	(MD/TD)	240/400	D1922
Haze	%		30	D1003
Gloss 45°			25	D2457
© 25 micron film obtained on Collin 25, B.u.R. 2.5: 1, Temp. profile 155 190 °C: melt 200 °C				

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