

HPLL18XF5N

HP-LLDPE: LL18XF5N

Characteristic Properties

- Excellent puncture resistance.
- Excellent machinability on conversion lines.

PRODUCT DATA SHEET

HP-LL18XF5 N is a terpolymer 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. HPLL18XF5 N is a grade without slip additives.

Density: 0.918 - 0.922

Main Applications

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

MFI: 0.4 - 0.6

Additives

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

Material properties (This data are typical values and are not to be construed as product specifications.)

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	70	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

APPLICATIONS

