WeConnectScience

LG Chem

HP1018BN

Description

Outstanding dart impact strength and excellent processability

Co-monomer : 1-Hexene

Additives : Processing Aid (Non-Slip & Non-Antiblocking agent)

Application

General Film

Key Features

HP1018 Series

Properties	Method	Condition	Unit	HP1018BN
Physical				
MFI	ASTM D1238	190℃, 2.16kg load	g/10min	1
Density	ASTM D1505	Density-Gradient	g/cm³	0.918
Film Properties				
Tensile Strength at Break Point, MD	ASTM D882	500㎜/min	kgf/cm²	520
Tensile Strength at Break Point, TD	ASTM D882	500㎜/min	kgf/cm²	450
Elongation at Break Point, MD	ASTM D882	500㎜/min	%	550
Elongation at Break Point, TD	ASTM D882	500㎜/min	%	640
Secant Modulus - 1% Secant, MD	ASTM D882	500㎜/min	kgf/cm²	2800
Secant Modulus - 1% Secant, TD	ASTM D882	500㎜/min	kgf/cm²	3100
Dart Impact Strength	ASTM D1709	Method A	g	700
Elmendorf Tear Strength, MD	ASTM D1922	500㎜/min	gf/㎛	280
Elmendorf Tear Strength, TD	ASTM D1922	500㎜/min	gf/㎛	370
Haze(25㎛)	ASTM D1003	25㎛	%	29
Thermal				
Melting Temperature	LG Method	by DSC	℃	118

Note

The properties data in this table are typical values, and not guaranteed specification.

Typical film property values are measured on 25㎛ film specimens(BUR 2.5, processing temperature 170℃).

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