

HP1018BI

Description

Outstanding dart impact strength and excellent processability

Co-monomer : 1-Hexene

Additives : Slip agent, Anti-Block agent and Processing Aid

Application

Food packaging and industrial lamination film, agricultural film

Key Features

HP1018 Series

Properties	Method	Condition	Unit	HP1018BI
Physical				
MFI	ASTM D1238	190°C, 2.16kg load	g/10min	1
Density	ASTM D1505	Density-Gradient	g/cm ³	0.918
Film Properties				
Tensile Strength at Break Point, MD	ASTM D882	500mm/min	kgf/cm ²	520
Tensile Strength at Break Point, TD	ASTM D882	500mm/min	kgf/cm ²	450
Elongation at Break Point, MD	ASTM D882	500mm/min	%	550
Elongation at Break Point, TD	ASTM D882	500mm/min	%	640
Secant Modulus - 1% Secant, MD	ASTM D882	500mm/min	kgf/cm ²	2800
Secant Modulus - 1% Secant, TD	ASTM D882	500mm/min	kgf/cm ²	3100
Dart Impact Strength	ASTM D1709	Method A	g	700
Elmendorf Tear Strength, MD	ASTM D1922	500mm/min	gf/μm	280
Elmendorf Tear Strength, TD	ASTM D1922	500mm/min	gf/μm	370
Haze(25μm)	ASTM D1003	25μm	%	18
Thermal				
Melting Temperature	LG Method	by DSC	°C	118

Note

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

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

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