TECHNICAL DATA SHEET

HP DURAPOL®

F02020

LINEAR LOW DENSITY POLYETHYLENE

BLOWN FILM

Product Description:

HP Durapol F02020 is a Butene based Linear Low Density Polyethylene General Purpose Film grade recommended for blown and cast film applications. The grade doesnot contain Slip and Antiblock additives.

Standout Characteristics:

- Excellent dart impact strength and Elmendorf tear strength

Recommended Applications:

Stretch wrap, Air bubble film, Liners etc.

Typical Properties:

Properties tested	Test Method	Unit	Typical value (*)
Density of resin @23ºC	ASTM D 1505	g/cc	0.918
MFI of resin at 190ºC, 2.16 Kgs	ASTM D 1238	g/10 min	2
Film Properties:			
Tensile Strength at Yield (MD/TD)	ASTM D 882 (500mm/min)	MPa	9/9
Tensile Strength at Break (MD/TD)	ASTM D 882 (500mm/min)	MPa	29/22
Elongation at break (MD/TD)	ASTM D 882 (500mm/min)	%	650/760
Gloss, 60º	ASTM D 2457	GU	95
Haze	ASTM D 1003	%	11
Dart Impact Strength	ASTM D 1709A	g/micron	2.7
Elmendorf Tear Strength	ASTM D 1922	g/micron	5.3/15.2

(*) Data is typical value and is not intended for specification purpose. Values may change without any intimation.

Film properties were measured on 25.4-micron thick film with 2.5 BUR, Die Gap:1.8mm

Handling and Storage:

Bags should be stored in dust free, dry and closed storage locations at temperatures not exceeding 50ºC. Direct exposure to UV/sunlight needs to be avoided. Non - compliance to storage and handling guidelines may lead to deterioration of the product (change in colour, odour related issues etc.) and underperformance of the product. It is recommended to process the product within 6 months of receipt of the product.

Packaging Information:

The material is available for sale in FFS (Form, Fill and Seal) bags with net quantity of 25 kgs. Customer should take adequate care while handling the bag. HPCL does not undertake any responsibility for loss of material due to poor/inadequate material handling practices.

Disclaimer:

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