Preliminary Product Data Sheet

Easiplas® HDPE F 6095

Product Description:
F 6095 is a high molecular weight, high density polyethylene copolymer with broad molecular weight distribution. Films made from F 6095 exhibits high strength and high stiffness as well as excellent drawdown at high extrusion rate. Apart from film applications, F 6095 could also be used for blow molding and non-pressure pipes.

Applications:

Blown Films:

- Grocery Bags
- Heavy Duty Sacks
- Lamination Films
- Trash Bags
- Liners
- Food Packaging

Blow Molding:

- Jerry Cans
- Food Containers
- Chemical Containers

Pipes:

- Non-Pressure Pipes

Physical	**Nominal Value**	**Test Methods Based On**
Density	0.952 g/cm^3	ASTM D792
Melt Index (190°C/21.6kg)	10.5 g/10min	ASTM D1238
Mechanical	**Nominal Value**	**Test Methods Based On**
Flexural Modulus -2% Secant	1000 MPa	ASTM D790
Films	**Nominal Value**	**Test Methods Based On**
Film Thickness	12.7 µm	
Tensile Yield Strength - MD	38 MPa	ASTM D882
Tensile Yield Strength - TD	29 MPa	ASTM D882
Tensile Strength at Break - MD	57 MPa	ASTM D882
Tensile Strength at Break - TD	66 MPa	ASTM D882
Elongation at Break - MD	210%	ASTM D882
Elongation at Break - TD	360%	ASTM D882
Dart Drop Impact	130 g	ASTM D1709A
Puncture Energy	0.45 J	BASF Method
Thermal	**Nominal Value**	**Test Methods Based On**
Vicat Softening Temperature	125 °C	ASTM D1525
Melting Temperature (DSC)	130 °C	BASF Method

Extrusion Notes
Fabrication Conditions for Blown Film:

Extruder: 50mm grooved feed
Screw Size: 50mm
Die Gap:1.4mm
Screw speed: 97rpm
Blow-Up Ratio: 4:1
Melt Temperature: 216°C
Screw Type: Barrier
L/D Ratio: 21:1
Die Diameter: 120mm
Output: 54.4kg/hr
Frost Line Height: 1080mm

Notes
These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.