



ASPC

Process Optimization**Doc Name:**

Product Data sheet -High Density polyethylene

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Doc No.

TEC-PRO-PDS-009

Rev: 4

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برج کیان، طبقه هفتم.

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Properties	Value	unit	Test method
Physical Properties			
Density (23 °C)	951	kg/cm3	ISO 1183
MFI (190 °C /21.6Kg)	10	dg/min	ISO 1133
Mechanical properties			
Tensile Modulus of elasticity	1050	MPa	ISO527-1;2
Tensile Strength (MD)	33	MPa	ISO 527-1;3
Tensile Strength (TD)	33	MPa	ISO 527-1;3
Tensile Strain at Break (MD)	380	%	ISO 527-1
Tensile Strain at Break (TD)	620	%	ISO 527-1
Tensile stress at Yield	26	MPa	ISO 527-1
Tensile strain at Yield	10	%	ISO 527-1
Elmendorf tear strength(MD)	250	mN	ISO 6383-2
Elmendorf tear strength(TD)	800	mN	ISO 6383-2
Thermal Properties			
Melting Point	132	°C	ISO 3146
Vicat Temperature , (A50,10 °C/h , 10 N)	127	°C	ISO 306
Additive :Antioxidant -Heat stabilizer Zinc Stearate			

Notes:

Typical properties; not to be construed as specifications.

Film properties taken from 20 µm blown film extruded at a melt temperature of 220°C, long stalk process, and a blow-up ratio of 4:1.

Application

HCH 5110 is suitable for Film, Bags, Products for Use in Property Modification

General information

HCH5110 has been manufactured using Basell Lupotech G licensed technology.

Processing

Recommended film thickness: 15 to 30 µm.

Note: this information is based on our current knowledge and experience. In view of many factors that may affect processing and application, this data does not relieve processors from the responsibility of carrying out their own tests and experiments, neither does it imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.

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