

High Density polyethylene 5110

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.

Properties	Value	unit	Test method
Physical Properties			
Density (23 °C)	951	kg/cm ³	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)	55	MPa	ISO 527-1;3
Tensile Strength (TD)	55	MPa	ISO 527-1;3
Tensile Strain at Break (MD)	580	%	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
Elemendorf tear strength(MD)	250	mN	ISO 6383-2
Elemendorf tear strength(TD)	800	mN	ISO 6383-2
Thermal Properties			
Melting Point	132	°C	ISO 3146
Vicat Temperature , (A50,50 °C/h , 10 N)	127	°C	ISO 306
Additive :Antioxidant –Heat stabilizer Zinc Stearate			

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 50 µm.

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