

# Technical Data Sheet

**Category: PolyEthylene**

**Product name: HCH5110A**

**Description:** HCH5110A has been manufactured using Basell Lupotech G licensed technology. 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.

**Processing:** Recommended film thickness: 15 to 50 µm.

**Typical Applications:** HCH 5110A is suitable for Film, Bags, Products for Use in Property Modification

**Food packaging:** The above mentioned grade meets the relevant requirements of plastics directive 2002/72/EC (06- 08- 2002) and its amendments till directive 2008/39EC relating to plastic materials and articles intended to come into contact with foodstuffs.

## Characteristics:

Property	Value	Unit	(Test Method)
<b>Typical Properties</b>			
Melt Flow Rate(230°C, 2.16kg)	10	dg/min	ISO 1133
Density(23 oC)	951	kg/cm3	ISO 1183
<b>Mechanical</b>			
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
<b>Thermal</b>			
Vicat Temperature , (A50,50 oC/h , 10 N)	132	°C	ISO 306
Melting Point	127	°C	ISO 3146
Additive :Antioxidant –Heat stabilizer Zinc Stearate			

