

High Density Polyethylene HCH 5110A

Properties	Test Method	Unit	Value
Density (23°C)	ISO 1183	kg/cm ³	951
MFI (190°C /21.6Kg)	ISO 1133	dg/min	10
Tensile Modulus of elasticity	ISO527-1;2	MPa	1050
Tensile Strength (MD)	ISO 527-1;3	MPa	55
Tensile Strength (TD)	ISO 527-1;3	MPa	55
Tensile Strain at Break (MD)	ISO 527-1	%	580
Tensile Strain at Break (TD)	ISO 527-1	%	620
Tensile stress at Yield	ISO 527-1	MPa	26
Tensile strain at Yield	ISO 527-1	%	10
Elemendorf tear strength(MD)	ISO 6383-2	mN	250
Elemendorf tear strength(TD)	ISO 6383-2	mN	800
Melting Point	ISO 3146	°C	132
Vicat Temperature , (A50,50 oC/h , 10 N)	ISO 306	°C	127
Additive :Antioxidant –Heat stabilizer			
Zinc Stearate			

Application:

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

Packaging:

Supplied in pellet form and can be packaged in 25Kg Bags, one ton semi bulk or 17 tons bulk containers.

Producer: Aryasol Petrochemical Company