

Technical Datasheet

- **Grade Name:** HDPE 5110
- **Categories:** Polymer, Thermoplastic, Polyethylene, High Density Polyethylene
- **Processing Methods:** Blown Film
- **Applications:** Film, Pouches, Food Bag, Multilayer Film, Light-Duty Films
- **Features:** Good Melt Strength, Good Printability, High Molecular Weight, Broad Molecular Weight Distribution

Physical Properties			
Properties	Value	Unit	Test Method
MFI(190°C/21.6 KG)	10	g/10min	ISO 1133
Density	0.951	g/cm ³	ISO 1183
Mechanical Properties			
Properties	Value	Unit	Test Method
Elmendorf Tear Strength, MD	250	mN	ISO 6383-2
Elmendorf Tear Strength, TD	800	mN	ISO 6383-2
Tensile Strength, MD	55	MPa	ISO 527-1
Tensile Strength, TD	55	MPa	ISO 527-1
Tensile Strain at Break, MD	580	%	ISO 527-1
Tensile Strain at Break, TD	620	%	ISO 527-1
Tensile Stress at Yield, MD	26	MPa	ISO 527-1
Tensile Strain at Yield, TD	10	%	ISO 527-1
Tensile Modulus	1050	MPa	ISO 527-1
Thermal Properties			
Melting Point	132	°C	ISO 3146
Vicat Temperature (A50, 50 °C/h, 10 N)	127	°C	ISO 306

Typical Properties: These values are not to be considered as product specifications.

