



Product: **High Density Polyethylene**

Grade: **HFI 5110**

Application: Pipe Extrusion

Packing: 25 kg Bags

PRODUCT SPECIFICATION			
Typical Properties	Typical Value¹	Unit	Test Method
High Load Melt Flow Index(190°C/21.6kg)	10	g/10 min	ISO 1133
Density ²	0.951	gr/cm ³	ISO 1183
Mechanical³			
Tensile Modulus of Elasticity	1050	MPa	ISO 527-1;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;3
Tensile Strain at Break (TD)	620	%	ISO 527-1;3
Tensile Stress at Yield	26	MPa	ISO 527-1;3
Tensile Strain at Yield	10	%	ISO 527-1;3
Elmendorf Tear Strength (MD)	250	mN	ISO 6383-2
Elmendorf Tear Strength (TD)	800	mN	ISO 6383-2
Thermal Properties			
Melting Temperature	132	°C	ISO 3146
Vicat Softening Temperature (Method A/ 10N)	127	°C	ISO 306
Recommended Process Conditions⁴			
Extruder Barrel Temperature: 200-235 °C		Blow up ratio: 3-5	
Film thickness: 15-50 µm			

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