

## Technical Datasheet HF 5110

**1) Product Description:**

HF5110 is a high molecular weight high density polyethylene.

**2) Applications:**

Extrusion, film, blown, bags and density modification.

**3) Typical data:**

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Density	ISO 1183	Kg/cm <sup>3</sup>	0.950
MFI (190 °C /21.6kg)	ISO 1133	dg/min	10
Tensile Modulus	ISO 527-1	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
Elmendorf tear strength(MD)	ISO 6383-2	mN	250
Elmendorf tear strength(TD)	ISO 6383-2	mN	800
Melting Point	ISO 3146	°C	132
Vicat Temp, (A50,50 °C/h, 10 N)	ISO 306	°C	127

\* Typical values not to be construed as specifications.