



Polyintec® HF950-80

High Density Polyethylene Copolymer (HDPE-HMW)

Product Description:

Polyintec® HF950-80 is a prime, bimodal high molecular weight high density polyethylene copolymer designed for thin gauge blown film applications. It offers excellent processability, high stiffness, and excellent strength. It is designed where.

Suggested Applications:

Grocery sacks, T-Shirt bags, Institutional/Industrial Can Liners, Roll Stock, Produce Bags, Heavy Duty Bags, Deli Wrap.

Nominal Physical Properties:

PROPERTY	ASTM TEST METHOD	UNIT	VALUE
Typical Resin Properties			
Melt Index (190°C/5.0 kg)	D1238	g/10 min	0.08
Melt Index (190°C/21.6 kg)	D1238	g/10 min	9.0
Density	D4883	g/cc	0.951
Compression Molded Sample			
Vicat Softening Point	D1525	°C	124
Environmental Stress Crack Resistance (ESCR)	D1693	hrs (F50)	>1,500
(Condition B, 100% Igepal)			
Film3			
Dart Drop Impact Strength, F50	D1709	g	350
Elmendorf Tear Strength (MD)	D1922	g	18
Elmendorf Tear Strength (TD)	D1922	g	180
Tensile Strength @ Yield (MD)	D882	MPa	34.5
Tensile Strength @ Yield (TD)	D882	MPa	31.0
Tensile Strength @ Break (MD)	D882	MPa	69.0
Tensile Strength @ Break (TD)	D882	MPa	62.0
Elongation @ Break (MD)	D882	%	300
Elongation @ Break (TD)	D882	%	500
Secant Modulus (2%) (MD)	D882	MPa	930
Secant Modulus (2%) (TD)	D882	MPa	1035

Important Note:

The properties listed above are typical values obtained under laboratory conditions, The information provided should only be used as a guideline. Users are responsible to perform their own tests.

Meets US FDA 21 CFR 177.1520 for food contact.