High Density Polyethylene

Film
Density 0.95
Melt Index 0.05

Physical Properties	Method	Unit	Result
Density	**ASTM D1505**	**g/cm³**	**0.950**
MI (190 ºC/2.16 kg)	**ASTM D1238**	**g/10min**	**0.05**
MI (190 ºC/21.6 kg)	**ASTM D1238**	**g/10min**	**15**
Brittleness temperature	**ASTM D746**	**°C**	**<-70**
ESCR [F_{50}]	**ASTM D1693**	**Hrs**	**>500**
Dart drop impact, F_{50}	**ASTM D1709**	**g**	**160**
Tensile strength @ break Machine Direction / Transverse Direction	**ASTM D882**	**MPa**	**60/40**
Elmendorf tear strength, ** Machine Direction / Transverse Direction	**ASTM D1922**	**Kgf/cm**	**7/75**
Film tensile impact strength Machine Direction / Transverse Direction	**ASTM D1822**	**kJ/m²**	**600/1600**
Flexural modulus	**ASTM D790**	**MPa**	**1100**
Vicat softening temperature	**ASTM D1525**	**ºC**	**127**
Young's modulus, Machine Direction / Transverse Direction	**ASTM D882**	**MPa**	**850/1050**
Elongation @ break, Machine Direction / Transverse Direction	**ASTM D882**	**%**	**380/620**

Conversions: 1 MPa=10.2 kgf/cm²

CHARACTERISTIC : Hexene Copolymer, Excellent tensile strength, Excellent impact and tear Strength, High molecular weight, Thin film processability.

APPLICATIONS : Blown film, General packaging, Industrial Liners, Shopping Bags, Grocery Bags, Disposable bags

Processing Conditions:

Melt Temperature : 180 - 220ºC
BUR : 3 - 5