

TECHNICAL DATA SHEET

F5001

F5001 is a general purpose extrusion film grade HDPE produced by the Spherilene Technology.

This grade is characterized by good processability and mechanical strength.

F5001 can be used as blending resin in HDPE film for packaging application.

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg, 190° C)	ASTM D 1238	g/10 min	1.1
Density (at 23°C)	ASTM D 1505	g/cm ³	0.950
Physical Property			
Tensile Strength at Yield**		MPa	23
Tensile Strength at Break**	ASTM D 638	MPa	35
Elongation at Break**		%	>1000
Izod Impact Strength (Notched, 23°C)	ASTM D 256	J/m	450
Flexural Modulus	ASTM D 790	MPa	1000
Hardness	ASTM D 2240	Shore D	61
DSC Melting Temperature	ASTM D 3418	°C	131

* Halene H is the registered trademark of High Density Polyethylene of HPL.

** Tensile Properties are on Compression Molded Type IV Specimens as per ASTM D 638

The information & data presented herein are typical values and should not be construed as specification. No warranty or guarantee expressed or implied is made regarding performance. The information & data are subject to change without prior intimation based on research & development work undertaken by the company.