

TECHNICAL DATA SHEET

F5400

F5400 is a film grade HM-HDPE manufactured using the Mitsui CX Technology. This grade is characterized by excellent processability and high mechanical strength.

F5400 can be used for general-purpose films as well as very thin reinforced bags.

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg at 190° C)	ASTM D 1238	g/10 min	0.09
Density (at 23°C)	ASTM D 1505	G/cm ³	0.954
Physical Property			
Tensile Strength at Yield**		MPa	25
Tensile Strength at Break**	ASTM D 638	MPa	35
Elongation at Break**		%	1000
Izod Impact Strength	ASTM D 256	J/m	180
Hardness	ASTM D 2240	Shore D	62
E.S.C.R.	ASTM D 1693	Hr	>500
Falling Weight Impact Strength @ 25 microns	ASTM D 1709	gm	60
DSC Melting Temperature	ASTM D 2117	°C	131
Suggested Processing Conditions			
Barrel Temperature		°C	180 - 220
BUR		-	3 - 6

* 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

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