

TECHNICAL DATA SHEET

F5400

F5400 is a film grade HM-HDPE produced by the Mitsui CX Technology.

This can be used for general-purpose Films as well as very thin Reinforced bags.

F5400 grade is characterized by excellent processability and high mechanical strength.

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg, 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 (23°C)	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 3418	°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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