

## 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
Melt Flow Index (21.6 kg, 190°C)			14
Density (23°C)	ASTM D 1505	g/cm <sup>3</sup>	0.954
<b>Physical Property</b>			
Tensile Strength at Yield	ASTM D 638 (50 mm/min)	MPa	25
Tensile Strength at Break		MPa	38
Elongation at Break		%	1000
Notched Izod Impact Strength (23°C)	ASTM D 256A	J/m	180
Hardness	ASTM D 2240	Shore D	62
ESCR (F <sub>50</sub> , 10% Igepal soln. v/v)	ASTM D 1693B	Hr	>500
Dart Impact Strength**	ASTM D 1709A	g	80
DSC Melting Temperature	ASTM D 3418	°C	131
<b>Suggested Processing Conditions</b>			
Barrel Temperature		°C	180 – 220
BUR		-	3 – 6

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

Mechanical Properties are on specimens from Compression Molded sheets

\*\* Dart Impact Strength tested on 20 micron blown film

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