

## TECHNICAL DATA SHEET

## Y5401

**Y5401** is a HDPE monofilament grade produced by the Mitsui CX Technology

**Y5401** can be used for stretch tapes, raffia and yarns for woven sacks & tarpaulin

This grade is characterized by excellent processability and high mechanical strength

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg, 190°C)	ASTM D1238	g/10 min	0.80
Density (23°C)	ASTM D1505	g/cm <sup>3</sup>	0.954
<b>Physical Property</b>			
Tensile Strength at Yield		MPa	25
Tensile Strength at Break	ASTM D638 (50 mm/min)	MPa	35
Elongation at Break		%	>500
Notched Izod Impact Strength (23°C)	ASTM D256A	J/m	250
Hardness	ASTM D2240	Shore D	63
Vicat Softening Point (10 N)	ASTM D1525	°C	122
DSC Melting Temperature	ASTM D3418	°C	131

### Suggested Processing Conditions

Barrel Temperature	°C	200 - 240
Die Temperature	°C	250 - 260
Quench Temperature	°C	25 - 30

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

Mechanical Properties are on specimens from Compression Molded sheets

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