

TECHNICAL DATA SHEET

Y5401

Y5401 is a HDPE monofilament grade produced by the Mitsui CX Technology. This grade is characterized by excellent processability and high mechanical strength.

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

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg, 190°C)	ASTM D 1238	g/10 min	0.80
Density (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 (50 mm/min)	MPa	35
Elongation at Break		%	>500
Notched Izod Impact Strength (23°C)	ASTM D 256A	J/m	250
Vicat Softening Point (10N)	ASTM D 1525	°C	122
Hardness	ASTM D 2240	Shore D	63
DSC Melting Temperature	ASTM D 3418	°C	131
Suggested Processing Conditions			
Barrel Temperature		°C	200 – 240
Die Temperature		°C	250 – 260
Quench Temperature		°C	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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