

TECHNICAL DATA SHEET

R5801

R5801 is a HDPE grade for stretched tape / raffia application produced by the Mitsui CX Technology.

This grade can be used for stretched tape / raffia for woven sacks and tarpaulin.

R5801 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	0.5
Density (23°C)	ASTM D 1505	g/cm ³	0.961
Physical Property			
Tensile Strength at Yield		MPa	28
Tensile Strength at Break	ASTM D 638 (50 mm/min)	MPa	38
Elongation at Break		%	>1000
Notched Izod Impact Strength (23°C)	ASTM D 256A	J/m	250
Flexural Modulus	ASTM D 790A	MPa	1100
Hardness	ASTM D 2240	Shore D	65
DSC Melting Temperature	ASTM D 3418	°C	131
Suggested Processing Conditions			
Barrel Temperature		°C	200 – 240
Die Temperature		°C	220 – 240
Quench Temperature		°C	25

* 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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