

## 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 D1238	g/10 min	0.5
Density (23°C)	ASTM D1505	g/cm <sup>3</sup>	0.961
<b>Physical Property</b>			
Tensile Strength at Yield		MPa	30
Tensile Strength at Break	ASTM D638 (50 mm/min)	MPa	38
Elongation at Break		%	800
Notched Izod Impact Strength (23°C)	ASTM D256A	J/m	250
Flexural Modulus	ASTM D790A	MPa	1100
Hardness	ASTM D2240	Shore D	65
DSC Melting Temperature	ASTM D3418	°C	131
<b>Suggested Processing Conditions</b>			
Barrel Temperature		°C	200 - 240
Die Temperature		°C	220 - 240
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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