

# Halene H R5801

High Density Polyethylene  
Haldia Petrochemicals Ltd.

Message:

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.

General Information			
Features	High strength		
	Workability, good		
Uses	Strap		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density <sup>1</sup>	0.961	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.50	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Compression Molded)	65		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup>			ASTM D638
Yield, molding	28.0	MPa	ASTM D638
Fracture, molding	38.0	MPa	ASTM D638
Tensile Elongation <sup>3</sup> (Break, Compression Molded)	> 1000	%	ASTM D638
Flexural Modulus (Compression Molded)	1100	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Compression Molded)	250	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	131	°C	ASTM D3418
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	200 - 240	°C	
Cylinder Zone 2 Temp.	200 - 240	°C	
Cylinder Zone 3 Temp.	200 - 240	°C	
Cylinder Zone 4 Temp.	200 - 240	°C	
Cylinder Zone 5 Temp.	200 - 240	°C	
Die Temperature	220 - 240	°C	
Extrusion instructions			

Quench Temperature: 25°C

NOTE

1.	23°C
2.	50 mm/min
3.	50 mm/min

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Recommended distributors for this material

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