

Halene H Y5401

High Density Polyethylene
Haldia Petrochemicals Ltd.

Message:

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.

General Information			
Features	Workability, good		
	General		
Uses	Strap		
	monofilament		
	Line		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.954	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.80	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Compression Molded)	63		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield, molding	25.0	MPa	ASTM D638
Fracture, molding	35.0	MPa	ASTM D638
Tensile Elongation ² (Break, Compression Molded)	> 500	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Compression Molded)	250	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	122	°C	ASTM D1525 ³
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	250 - 260	°C
Extrusion instructions		
Quench Temperature: 30°C		
NOTE		
1.	50 mm/min	
2.	50 mm/min	
3.	压力1 (10N)	

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