

# Trilene® HY3.8FY

Polypropylene Homopolymer

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## Message:

Trilene HY3.8FY is a polypropylene homopolymer for production of stretched tape (yarn or raffia). Also can be use for transparent woven bag which require good clarity, stiffness.  
This grade uses Unipol® polypropylene technology with latest catalyst technology.

General Information			
Features	High strength		
	Homopolymer		
	Workability, good		
	Low water portability		
	Medium transparency		
Uses	BCF line		
	Strap		
	Bags		
Agency Ratings	FDA 21 CFR 177.1520(c) 1.1		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.903	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.8	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	34.0	MPa	ASTM D638
Tensile Elongation (Yield)	13	%	ASTM D638
Flexural Modulus - 1% Secant <sup>2</sup>	1290	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	40	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	104	°C	ASTM D648
Vicat Softening Temperature	152	°C	ASTM D1525 <sup>3</sup>
Peak Melting Temperature <sup>4</sup>	163	°C	ASTM D3418
Extrusion	Nominal Value	Unit	
Melt Temperature	230 - 250	°C	
Extrusion instructions			

Water Bath Temperature: 27 to 35°C

NOTE

1.	50 mm/min
2.	1.3 mm/min
3.	标准 B (120°C/h)
4.	10°C/min, 2nd heat

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