

# EVALENE® HDPE HM10561

High Density Polyethylene  
JG Summit Petrochemical Corporation

Message:

HDPE is used to make large drums, bleach bottles, shopping bags, crates nets and pails.  
Tough. Rigid. Heavy Duty. With High Chemical Resistance.  
These qualities make Evalene® HDPE suitable for a diverse line of industrial products.  
Blown Film: Shopping and grocery bags  
Pipes: Pressure and non-pressure pipes  
Blow Molding: Bottles for household and industrial chemicals, large drums  
Injection Molding: Pallets, crates, cases, trays, toys, houseware, caps

General Information			
Features	Good Chemical Resistance		
	Good Stretchability		
	Good Toughness		
	High Rigidity		
Uses	Monofilaments		
	Netting		
	Rope		
	Yarn		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Filament Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.956	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus <sup>1</sup> (Injection Molded)	800	MPa	ASTM D638
Tensile Strength <sup>2</sup> (Yield, Injection Molded)	24.0	MPa	ASTM D638
Tensile Elongation <sup>3</sup> (Break, Injection Molded)	> 500	%	ASTM D638
NOTE			
1.	5.0 mm/min		
2.	50 mm/min		
3.	50 mm/min		

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