

# EVALENE® HDPE HJ30541

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 Flow		
	Good Moldability		
	Good Toughness		
	High Rigidity		
Uses	Caps		
	Household Goods		
	Thin-walled Parts		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.954	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	30	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus <sup>1</sup> (Injection Molded)	840	MPa	ASTM D638
Tensile Strength <sup>2</sup> (Yield, Injection Molded)	23.0	MPa	ASTM D638
Tensile Elongation <sup>3</sup> (Break, Injection Molded)	> 200	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	36	J/m	ASTM D256
NOTE			
1.	5.0 mm/min		
2.	50 mm/min		
3.	50 mm/min		

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Recommended distributors for this material

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