

# EVALENE® HDPE HJ04601

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			
Additive	UV Stabilizer		
Features	Good Chemical Resistance		
	Good Toughness		
	Good UV Resistance		
	High Rigidity		
Uses	Containers		
	Crates		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus <sup>1</sup> (Injection Molded)	990	MPa	ASTM D638
Tensile Strength <sup>2</sup> (Yield, Injection Molded)	26.0	MPa	ASTM D638
Tensile Elongation <sup>3</sup> (Break, Injection Molded)	> 500	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	160	J/m	ASTM D256
NOTE			
1.	5.0 mm/min		
2.	50 mm/min		
3.	50 mm/min		

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