EVALENE® HDPE HP10441

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 Toughness		
	High ESCR (Stress Crack Resist.)		
	High Rigidity		
Uses	Conduit		
	Piping		
Agency Ratings	FDA 21 CFR 177.1520		
	PPI PE-80		
Forms	Pellets		
Processing Method	Pipe Extrusion		

Physical	Nominal Value	Unit	Test Method
Density	0.944	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg [1]	0.080	g/10 min	
190°C/21.6 kg	10	g/10 min	
Environmental Stress-Cracking Resistance (F50)	> 1000	hr	ASTM D1693

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus [2] (Compression Molded)	700	MPa	ASTM D638
Tensile Strength [3]			ASTM D638
Yield, Compression Molded	24.0	MPa	
Break, Compression Molded	30.0	MPa	
Tensile Elongation [4] (Break, Compression Molded)	> 600	%	ASTM D638

NOTE

1.	Product is controlled by Flow Index. melt Index is estimated for customer use.
2.	Type IV, 5.0 mm/min
3.	Type IV, 50 mm/min
4.	Type IV, 50 mm/min

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

WECHAT