EVALENE® HDPE HF09522

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 Molecular Weight		
	High Rigidity		
	High Stiffness		
	High Tensile Strength		
	Salt Water/Spray Resistant		
Uses	Bags		
	Film		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Blown Film		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.952	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg [1]	0.060	g/10 min	
190°C/21.6 kg	9.0	g/10 min	
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	25	µm	
Secant Modulus [2]			ASTM D882
MD : 25 µm	1150	MPa	
TD : 25 µm	1450	MPa	
Tensile Strength [3]			ASTM D882
MD : Yield,25 µm	25.0	MPa	
TD : Yield,25 µm	24.0	MPa	
MD : Break, 25 µm	47.0	MPa	
TD : Break, 25 µm	42.0	MPa	

Tensile Elongation [4]			ASTM D882
MD : Break, 25 μm	> 500	%	
TD : Break, 25 μm	> 500	%	
Dart Drop Impact (25 μm)	160	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 25 μm	10	g	
TD : 25 μm	65	g	

NOTE	
1.	Product is controlled by Flow Index. melt Index is estimated for customer use.
2.	25 mm/min
3.	500 mm/min
4.	500 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