

Producer: JG SUMMIT PETROCHEMICAL / PHILIPPINES

HDPE HF09522

Product Description

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

Material Status	• Commercial: Active	
Literature ¹	• Technical Datasheet (English)	
Availability	• Asia Pacific	
Features	• Good Chemical Resistance	• High Rigidity
	• Good Toughness	• High Stiffness
	• High Molecular Weight	• High Tensile Strength
Uses	• Bags	• Film
Agency Ratings	• FDA 21 CFR 177.1520	• Salt Water/Spray Resistant
Forms	• Pellets	
Processing Method	• Blown Film	

PROPERTY	NORMINAL VALUE UNIT	TEST
Physical		
Density	0.952 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)		ASTM D1238
190°C/2.16 kg ³	0.060 g/10 min	
190°C/21.6 kg	9.0 g/10 min	
Films		
Film Thickness - Tested	25 µm	
Secant Modulus ⁴		ASTM D882
MD: 25 µm	1150 MPa	
TD: 25 µm	1450 MPa	
Tensile Strength ⁵		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 ⁵		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	

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

³ Product is controlled by Flow Index. melt Index is estimated for customer use.

⁴ 25 mm/min

⁵ 500 mm/min