

MMF-1237 Medium Density Polyethylene

MELT - 0.12

DENSITY - 0.937

MMF-1237 is a certified prime grade Hexene copolymer HIGH MOLECULAR WEIGHT developed for production of industrial films of outstanding stress cracking resistance. **MMF-1237** meets the requirements of GR - GM13. Minimum recommended film gauge is 12 microns, and processing temperature 195° to 300°C. **MMF-1237** complies with FDA regulation 21CFR 177.1520 (c) 3.2(a) and most international regulations concerning the use of Polyethylene in contact with food. **MMF-1237** has a melt temperature of 383 to 572°F.

Features:

- Broad seal range
- Good melt strength
- Good processability
- Hexene comonomer
- High ESCR (Stress Crack Resist.)
- High molecular weight
- Wide molecular weight distribution

Typical Applications:

- Pond liners
- Gas and chemical containment liners
- Landfill liners
- Geomembranes

PROPERTIES	ASTM	UNIT	VALUES
PHYSICAL			
Density	D1505	g/cm ³	0.937
Melt Flow Rate (190°C, 2.16kg)	D1238	g/10 min	.12
Melt Flow Rate (190°C, 21.6kg)	D1238	g/10 min	12
ESCR (122°F, 0.0689 in., 10 lgepal, Comp Mold F50) Notched bent strip	D1693B	hr	>1500
ESCR (212°F, 0.0689 in., 10 lgepal, Comp Mold F50) Notched bent strip	D1693C	hr	>1500
MECHANICAL			
Tensile Strength (Yield) Comp Molded	D638	psi	2680
Tensile Elongation (Break) Comp Molded	D638	%	>700
Flexural Modulus	D790	psi	116000
Film Thickness - Recommended / Available		mil	0.5
Peak Melting Temperature	D3417	°F	259