

MELT - 21

DENSITY - 0.937

MWG-2137 is a certified prime Hexane copolymer, HIGH MOLECULAR WEIGHT grade developed for GEOMEMBRANE applications. **MWG-2137** complies with FDA regulation 21CFR 177.1520 (c) 3.1(a), use conditions C through G per 21CFR 176.170(c). Volume of food contacting article must be equal to or greater than 5 gallons.

Features:

- Good melt strength
- Good processability
- Hexene comonomer
- High ESCR (Stress Crack Resist.)
- High molecular weight

Typical Applications:

- Liners for landfills
- Moisture barrier for tunnels
- Chemical tank containment liners

PROPERTIES	ASTM	UNIT	VALUES
PHYSICAL			
Density	D1505	g/cm ³	0.937
Melt Flow Rate (190°C, 21.6kg)	D1238	g/10 min	21
ESCR (100% Igepal)	D1693	hr	>1500
SP-NCTL	D5397	month	>1.2
MECHANICAL (Compression Molded)			
Tensile Strength (Yield) Comp. Mold	D638	psi	2900
Tensile Elongation (Break) Comp. Mold	D638	%	800
Flexural Modulus (.50in/min, 16:1 span:depth)	D790	psi	120k
Tensile Impact Strength (Type S bar)	D1822	ft-lb/in ²	190
Durometer Hardness (Shore D)	D2240		57
Brittleness Temperature	D746A	°F	<(-103)
Vicat Softening Temperature	D1525	°F	221