

Mapolene 3730 is a medium density polyethylene resin tailored specifically for geomembrane applications. This resin provides an excellent balance of ESCR properties, broad fusion range, excellent melt strength and good overall processability. Suggested applications include landfill liners, gasoline and chemical tank containment liners and tunnel moisture barriers.

**Mapolene 3730**

<b>Polyethylene Geomembrane</b>	Melt Index .30 Density .937
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Properties <sup>1</sup>	ASTM	Units	Value
Melt Index (190°C/2.16 kg)	ASTM D1238	g/10 min	.30
Density	ASTM D1505	g/cm <sup>3</sup>	.937
Tensile Strength @ Yield	ASTM D638	psi	2900
Elongation @ Break	ASTM D638	%	800
Flexural Modulus	ASTM D790	psi	120
ESCR, Condition C (100% Igepal), F50	ASTM D1693	h	>1,500
SP-NCTL	ASTM D5397	h	>900
Durometer Hardness, Type D (Shore D)	ASTM D2240		57
Vicat Softening Temperature	ASTM D1525	°F	221
Heat Deflection Temperature, 66 psi, Method A	ASTM D648	°F	137
Brittleness Temperature, Type A, Type I spec	ASTM D746	°F	-103

This material meets the Food and Drug Administration requirements of 21CFR 177.1520.

<sup>1</sup>Properties will vary and are not to be used for specification purposes.