Formosa Plastics®

Formolene® LLDPE

Formolene FORMAX® L91904B

High Strength Linear Low Density Polyethylene for Sheet Extrusion Applications

Formolene FORMAX® L91904B is a linear low density, high molecular weight hexene copolymer resin that is tailored specifically for geomembrane applications. The resin provides outstanding ESCR properties, broad fusion range, excellent melt strength and good processability.

Suggested Applications:

Landfill Covers — Flat and round-die products
Coextrusion

Nominal Physical Properties:

PROPERTY	TEST METHOD	UNIT	VALUE
Density	D1505	g/cc	0.918
Melt Index, Condition E, 190ºC/2.16 kg	D1238	g/10 min	0.5
Tensile Yield Strength			
2 in. per min., Type IV bar	D638	psi	1600
Elongation at Break			
2 in. per min., Type IV bar	D638	%	700
Flexural Modulus, Tangent –			
16:1 span:depth, 0.5 in./min.	D790	psi	65,000
Durometer Hardness,			
Type D (Shore D)	D2240	Shore D	55
Vicat Softening Temperature			
Loading 1, Rate A	D1525	°C	100
Heat Deflection Temperature,			
66 psi., Method A	D648	°C	49
ESCR			
Condition B (10% Igepal), F_{50}	D1693	h	>3,000
Condition C (100% Igepal), F_{50}	D1693	h	>3,000

The nominal properties reported herein are typical of the product but do not reflect normal testing variance and therefore should not be used for specification purpose.

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