

Description

MDPE 37120: Good processability, excellent melt strength, high stress crack resistance, broad fusion range, ASTM D1248 – Type II, Class A, Category 5

Applications: Landfill liners, pond liners, mining films

Characteristics

	Method	Unit	Typical Value
Rheological Properties⁽¹⁾			
Melt Flow Index	D-1238	g/10 min	
190°C/21.6 kg HLMI			12.0
Mechanical Properties⁽¹⁾⁽²⁾			
Tensile Strength @ Yield	D-638	psi	2,700
Elongation	D-638	%	> 700
Flexural Modulus	D-790	psi	116,000
ESCR			
10% Igepal	D1693, Cond B	F ₅₀ hrs	> 1,500
100% Igepal	D1693, Cond C		> 1,500
Oxidative Induction Time	D3895	Min	> 100
Other Physical Properties			
Density	D-792	g/cm ³	0.937
Processing Recommendation			
Extrusion Melt Temperature		°F	400-440

(1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.

MDPE 37120 06/2015