



MDPE 37120

Medium Density Polyethylene Film Resin

FILM

RESIN PROPERTIES ⁽¹⁾

	Method	Unit	Typical Value
Melt Flow Index	D1238	g/10 min	–
190°C/21.6 kg (HLM)	–	–	12
Density	D792	g/cm ³	0.937
Melting Temperature	D3417	°F	260

MECHANICAL PROPERTIES ⁽¹⁾

	Method	Unit	Typical Value
Tensile Strength at Yield	D638	psi	2,700
Elongation	D638	%	> 700
Flexural Modulus	D790	psi	116,000
ESCR	D1693	hrs	–
10% Igepal	–	–	> 1,500
100% Igepal	–	–	> 1,500
Oxidative Induction Time	D3895	Min	> 100

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

CHARACTERISTICS:

- Good processability
- Excellent melt strength
- Superior stress cracking resistance
- Broad fusion range
- ASTM D1248 – Type II, Class A, Category 5

APPLICATIONS:

- Landfill liners
- Pond liners
- Mining films
- Geomembranes

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