

## Description

**Polyethylene MDPE D3725:** Excellent balance of stiffness and impact strength; good puncture resistance; excellent compatibility with LDPE and LLDPE; good tensile strength; good heat sealing characteristics.

**Applications:** MDPE D3725 is recommended for landfill liners, pond liners, mining films, and drip tape.

## Characteristics

	Method	Unit	Typical Value
<b>Rheological Properties<sup>(1)</sup></b>			
Melt Flow Index	D-1238	g/10 min	
190°C/2.16 kg			0.23
190°C/21.6 kg (HLMI)			20.0
<b>Mechanical Properties<sup>(1)(2)</sup></b>			
Tensile Strength @ Yield	D-882, A	psi (MD/TD)	1,800 / 2,800
Tensile Strength @ Break	D-882, A	psi (MD/TD)	8,300 / 5,300
Elongation at Break	D-882, A	% (MD/TD)	500 / 900
1% Secant Modulus	D-882, A	kpsi (MD/TD)	64 / 85
WVTR <sup>(3)</sup>	F-1294	g/100in <sup>2</sup> /day	0.8
<b>Thermal Properties<sup>(1)</sup></b>			
Melting Point	D-3417	°F	259
Oxidative Induction Time	D-3895	min	> 100
<b>Other Physical Properties</b>			
Density	D-792	g/cm	0.937

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

(2) Film was produced at 1.0 mil with a 2.5 BUR.

(3) Water Vapor Transmission Rate

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