

# RAMOLENE

# MDF93

Medium molecular weight, medium density film resin. Excellent balance of stiffness and impact strength, good puncture resistance, excellent compatibility with LDPE and LLDPE, good tensile strength, good heat sealing characteristics.

Applications, specialty merchandise bags, millinery/notion bags, mailing envelopes, heavy duty ship sacks, shrink films, fresh cut produce packaging, coextrusion

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<u>Resin Properties</u> <sup>(1)</sup>	<u>Typical Value / Units</u>	<u>ASTM Method</u>
Melt Index,g/10 min		D- 1238
190°C/2.16 kg	0.23	
190°C/21.6 kg (HLMI)	20.0	
Density, g/cm <sup>3</sup>	0.937	D-792
Melting Point, ° F	259	D-3417
 <u>Mechanical Properties</u> <sup>(1)(2)</sup>		
Dart Impact, g	130	D1709,A
Elmendorf Tear, g, Machine Direction (MD)	50	
Transverse Direction (TD)	500	
TensileStrength at Yield, psi		D-882, A, 2 in/min
MD (TD)	3100 (3100)	
TensileStrength at Break psi		D-882, A, 2 in/min
MD (TD)	5900 (5000)	
Elongation at Break, %		D-882, A, 2 in/min
MD (TD)	600 (700)	
WVTR <sup>(3)</sup> , g/100in <sup>2</sup> / day	0.7	E 96/66
 <u>Processing</u>		
<u>Recommendation</u>		
Extrusion Melt Temperature	380 - 420 °F	

(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 4:1 BUR

(3)Water Vapor Transmission Rate

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