

RAMOLENE

MDF94

Medium molecular weight, high density film resin. Excellent processability, good tear and impact strength, good stiffness, excellent compatibility with LDPE and LLDPE, excellent drawdown, good moisture barrier properties. Applications: Multi-wall liner, poultry multi-layer gas flush bags, mailing envelopes, heavy-duty shipping sacks, fresh cut produce packaging, coextrusion

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<u>Resin Properties</u> ⁽¹⁾	<u>Typical Value / Units</u>	<u>ASTM Method</u>
Melt Index, g/10 min		D-1238
190°C/2.16 kg	0.28	
190°C/21.6 kg (HLMI)	20.0	
Density, g/cm ³	0.947	D-792
Melting Point, ° F	259	D-3417
 <u>Mechanical Properties</u> ⁽¹⁾⁽²⁾		
Dart Impact, g	100	D1709,A
Elmendorf Tear, g, Machine Direction (MD)	28	D-1922
Transverse Direction (TD)	530	
Tensile Strength at Yield, psi		D-882, A, 2 in/min
MD (TD)	3500 (3700)	
Tensile Strength at Break psi		D-882, A, 2 in/min
MD (TD)	7900 (5700)	
Elongation at Break, %		D-882, A, 2 in/min
MD (TD)	600 (700)	
WVTR ⁽³⁾ , g/100in ² / day	0.5	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

RAMTECH OVERSEAS, INC.
204 S. HOOVER BLVD. SUITE 230 Tampa, FL 33609
Tel # (813) 287-2588 www.ramtechcorp.com Fax # (813) 287-1814

All tests were run under laboratory conditions, ASTM (where applicable) testing procedures. The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere. The use of Ramtech's products must be guided by the user's own methods for selection of proper formulation. RAMTECH OVERSEAS, INC. disclaims any responsibility for misuse or misapplication of its products. Ramtech makes no warranty of merchantability and there is no warranty that goods supplied shall be fit for any particular purpose