



MD 420

Clear Barrier Layer
Clear Valeron Film
Polyethylene Sealant

Physical Property	Method	Units	Typical Properties	
Product Code			MD420	
Thickness	ASTM D 374	Mils	8.4	
Basis Weight	Valeron	Lbs/MSF	40	
Tensile Break	ASTM D 412	lbs/in	MD TD	38 34
Elongation	ASTM D 412	%	MD TD	550 550
Elmendorf Tear	ASTM D 1922	Grams	MD TD	2500 2200
Puncture Resistance	MIL 3010, Meth 2065	Lbf	24	
Toyo Impact	ASTM D 781 (mod)	kg-cm	130	
Seal Strength	ASTM F 88-00 (350° F, 3 sec. 60 psi)	Lbs/1" Strip	Lab	14
Water Vapor Transmission	ASTM F 1249 100° F, 100% RH	grams/100 in ² /day	0.014	
Oxygen Transmission	ASTM D 3985 72° F, 0% RH	cc/100 in ² /day	0.011	

The information contained in this data sheet is to the best of our knowledge true and accurate. Nothing contained herein is to be construed as a recommendation to use any product in conflict with any patent. Richmond Technology makes no warranties as to the fitness for use or merchantability of any product referred to, no guarantee of satisfactory results from reliance upon contained information or recommendation, and disclaims all liability for resulting loss or damage. The data contained in this data sheet is typical of performance of this product and should not be interpreted as a specification.

ITW Richmond Technology

Headquarters and Plant Location

9505 Bamboo Road / Houston, TX 77041 USA / 1-800-825-3766 or 713-462-6111 / Fax: 713-939-0034/ info@richmond-technology.com