



Western Industries Inc.
 PO Box 428
 Yellowstone Hill
 Miles City, Montana 59301
 (406) 234-1680
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 (800) 488-3592

RPP 20, 36 & 45 Mil Reinforced Polypropylene

	WIC20	WIC36	WIC45	
Properties				ASTM
Thickness	20 Mil	36 Mil	45 Mil	
Breaking Strength	Warp: 200 lbs Fill: 200 lbs	Warp: 275 lbs Fill: 250 lbs	Warp: 300 lbs Fill: 250 lbs	D751A
Tear Strength	Warp: 70 lbs Fill: 70 lbs	Warp: 70 lbs Fill: 70 lbs	Warp: 70 lbs Fill: 70 lbs	D751B (mod)
Hydrostatic Resistance	300 p.s.i.	350 p.s.i.	350 p.s.i.	D751A
Puncture Resistance	250 lbs	300 lbs	300 lbs	FTMS 101C,2031
Ply Adhesion	40 lbs	40 lbs	40 lbs	D751 (mod)
Dimensional Stability	1 % max	1 % max	1 % max	D1204
Low Temperature	-40 °F	-40 °F	-40 °F	D2136
Stress Crack Resistance	3000 hours	3000 hours	3000 hours	D1693
UV Resistance	20,000 hours	20,000 hours	20,000 hours	G155

These values are typical data and are not intended as limiting specifications.



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8, 10 & 12 oz. Nonwoven Geotextile

	WID8	WID10	WID12	
Property				ASTM
Weight	8 oz/yd ²	10 oz/yd ²	12 oz/yd ²	
Grab Tensile	205 lbs	250 lbs	300 lbs	D-4632
Grab Elongation	50%	50%	50%	D-4632
Trapezoidal Tear	80 lbs	100 lbs	115 lbs	D4533
Puncture Resistance	525 lbs	625 lbs	825 lbs	D-6241
UV Resistance After 500 hrs.	70% Strength Retained	70% Strength Retained	70% Strength Retained	D-4355
Hydraulic				
Apparent Opening Size (AOS) ³	80 US Std. Sieve	100 US Std. Sieve	100 US Std. Sieve	D-4751
Permittivity	1.5 sec ⁻¹	1.2 sec ⁻¹	1.0 sec ⁻¹	D-4491
Water Flow Rate	110 gpm/ft ²	85 gpm/ft ²	75 gpm/ft ²	D-4491

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