

ProCoat

Woven Coated Polyethylene

ProCoat is Western ProLines durable line of industrial woven coated fabrics designed for maximum strength and performance. ProCoat is quickly becoming the popular choice for use where high strength and durability are required. ProCoat products are designed for use as heavy duty liners and covers for a number of different applications in oil field containment, hazardous materials containment, landfills, spill containment, remediation, truck and railcar covers, ponds and pools.

- Puncture, abrasion and chemical resistance
- Easy to Weld
- High Strength HDPE woven core fabric
- Non-toxic, no PVC or hazardous materials

Product Specifications

Property Tested		Test Method	Minimum Average Value				
			12 mil	16 mil	20 mil	24 mil	30 mil
Nominal Weave			10 x 8	12 x 10	12 x 10	10 x 12	14 x 12
Coating			2 sides LDPE x 1.5 mils thick	2 sides LDPE x 2.0 mils thick	2 sides LDPE x 2.5 mils thick	2 sides LDPE x 3.0 mils thick	2 sides LDPE x 3.0 mils thick
Weight		ASTM D 5261	5.7 oz/yd ² 193 g/m ² ± 5%	7.2 oz/yd ² 244 g/m ² ± 5%	9.6 oz/yd ² 327 g/m ² ± 5%	11.5 oz/yd ² 391 g/m ² ± 5%	13.4 oz/yd ² 454 g/m ² ± 5%
Nominal Thickness		ASTM D 1777	12 mil/0.30 mm	16 mil/0.41 mm	20 mil/0.51 mm	24 mil/0.61 mm	30 mil/0.61 mm
Tensile Strength		ASTM D 751	MD 210 lbs (95 kg) Elongation 20% CD 176 lbs (80 kg) Elongation 20%	MD 230 lbs (105 kg) Elongation 20% CD 210 lbs (95kg) Elongation 20%	MD 330 lbs (150 kg) Elongation 20% CD 286 lbs (130 kg) Elongation 20%		
Grab Tensile Strength Cut Strip		ASTM D 751				MD 352 lbs (160 kg) CD 300 lbs (136 kg) MD 251 lbs (114 kg) CD 210 lbs (95 kg)	MD 375 lbs (170 kg) CD 315 lbs (143 kg) MD 270 lbs (123 kg) CD 225 lbs (102 kg)
Trapezoid Tear		ASTM D 4533	MD 65 lbs (30 kg) CD 55 lbs (25 kg)	MD 72 lbs (33 kg) CD 70 lbs (32 kg)	MD 110 lbs (50 kg) CD 92 lbs (42 kg)	MD 110 lbs (50 kg) CD 90 lbs (41 Kg)	MD 100 lbs (45 kg) CD 90 lbs (41 Kg)
Mullen Burst		ASTM D 751	350 psi (2414 kPa)	400 psi (2760 kPa)	600 psi (4138 kPa)	680 psi (4690 kPa)	680 psi (4690 kPa)
Accelerated UV Weathering		ASTM G 154	>90% after 2000 hrs ¹	>90% after 2000 hrs ¹	>90% after 2000 hrs ¹	>90% after 2000 hrs ¹	>90% after 2000 hrs ¹
Hydrostatic Conductivity		ASTM D 4491			0.0 cm/s No Flow	0.0 cm/s No Flow	0.0 cm/s No Flow
Hydrostatic Resistance		ASTM D 751			352 psi (2462 kPa)	380 psi (2620 kPa)	720 psi (2620 kPa)
Puncture Resistance		ASTM D 4388			171 lbs (78 kg)	176 lbs (78 kg)	225 lbs (102 kg)
Low Temperature Flexibility		ASTM D 2136			-60° F (-51° C)	-60° F (-51° C)	-60° F (-51° C)
Penetration Resistance Motor Oil		ASTM DF 903			Pass	Pass	Pass
Carbon Black Content		ASTM D 4218				3.6%	3.6%
Limited Warranty Exposed Buried			1½ years 3 years	2 years 4 years	2½ years 5 years	10 years 20 years	10 years 20 years

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