

PRODUCT SPECIFICATIONS

Polyvinyl Chloride (PVC)

Property	Test	Unit	PVC 20	PVC 30	PVC 40
<b>Certified Properties</b>					
Thickness	ASTM D-5199	mm	0.51 ±0.03	0.76 ±0.04	1.02 ±0.05
Grab Tensile Strength	ASTM D-882	kN/m (lb/in)	8.4 (48)	12.8 (73)	17 (97)
Tensile Elongation	ASTM D-882	%	360	380	430
Tensile Modulus	ASTM D-882	kN/m (lb/in)	3.7 (21)	5.6 (32)	7 (40)
Tear Strength	ASTM D-1004	N (lb)	27 (6)	35 (8)	44 (10)
Dimensional Stability	ASTM D-1204	%	4.0	3.0	3.0
Low Temp. Impact	ASTM D-1790	C	-26	-29	-29
<b>Index Properties</b>					
Specific Gravity	ASTM D-792	g/cc	1.2	1.2	1.2
Water Extraction % Loss (Max.)	ASTM D-1239	%	0.15	0.15	0.2
Avg. Plasticizer Molecular Weight	ASTM D-2124	—	400	400	400
Volatile Loss	ASTM D-1203	%	0.9	0.7	0.5
Soil Burial Break Strength	G160	%	5.0	5.0	5.0
Soil Burial Elongation	G160	%	20	20	20
Soil Burial Modulus at 100%	G160	%	20	20	20
Hydrostatic Resistance	ASTM D-751	kPa (psi)	470 (68)	690 (100)	830 (120)
<b>Seam Strengths</b>					
Shear Strength	ASTM D-882	kN/m (lb/in)	6.7 (38.4)	10 (58.4)	14 (77.6)
Peel Strength	ASTM D-882	kN/m (lb/in)	2.2 (12.5)	2.6 (15)	2.6 (15)

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