

SP Compound

Flexible PVC Sheet

Description: Single-ply unsupported calendered vinyl sheet, typically 20 mil (0.5 mm), printed with clearcoat applied for color and gloss control and surface durability. Also available in non-printed and non-coated versions.

Typical Applications: Pool Liner

Typical Processes Supported: RF welding, dielectric sealing

Property	Typical Results	Units	Test Method
Elongation	>300	%	ASTM D882
Tensile Strength	>2000	psi	ASTM D882
Tear Strength	>250	ppi	ASTM D1004
Thickness	Target \pm 0.001	Inches	SAE J882
Specific Gravity	1.27 \pm 0.02	SG	ASTM D792
Dimensional Stability	\leq 4.0	%	ASTM D1204
Cold Impact	No Cracks	-25°F	ASTM D1790
Volatile Loss	\leq 1.5	%	ASTM D1203
Water Extraction	\leq 0.4	%	ASTM D1239
Resistance to Fungus	No Growth	NA	ASTM G21
Resistance to Bacteria	No Growth	NA	ASTM G22
Weathering, Xenon	No Significant Loss of Properties	200 hrs	ASTM D1499
Weathering, QUV	No Significant Loss of Properties	1500 hrs	ASTM G53
Abrasion Resistance	\leq 1.5	mg, wt loss	ASTM D4158

The above properties do not constitute a warranty or specification. Test values are based on material conditioned and tested in a controlled laboratory environment using established standards and procedures. Properties may vary based on embossed grain, color, multi-ply laminate construction and other variables.