

OS Compound

TPO/Foam Bi-Laminate Sheet

Description: TPO capsheet typically 20-30 mil (0.5-0.76 mm), clear-coated for gloss control and surface durability. Olefin foam back ply typically 40-120 mil (1.0-3.0 mm). A 10 mil TPO back ply may also be added for tri-laminate applications

Typical Applications: Instrument Panel, Door Panel, Console, Bolster

Typical Processes: Positive & negative vacuum-form, or LPM

Property		Typical Results	Units	Test Method
Elongation	MD	>200	%	ASTM D412
	CD	>200		
Tensile Strength	MD	>1.5	MPa	ASTM D412
	CD	>1.5		
Tear Strength	MD	>10	kN/m	ASTM D1004
	CD	>10		
Hardness		43 ± 5	Shore A	ASTM D2240
Thickness		Target ± 0.001	Inches	SAE J882
Specific Gravity		0.91 ± 0.02	SG	ASTM D792
Cold Impact		No Cracks	2.5 J impact @ -30°C	GMW14127-B
Heat Resistance		≥ 3 after 336 h @ 110°C	AATCC Grey Scale	ASTM E145
Accelerated Light Aging		≥ 3 after 1240 kJ/m ²	AATCC Grey Scale	SAE J2412
Fogging		> 80	%	SAE J1756
Flammability		< 100	mm/minute	FMVSS 302

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.