



PremierCap® 1710

Description PremierCap® 1710 is a coextruded TPO sheet system designed to offer a weatherable cap over a performance substrate that resolves environmental “whitening” found in traditional monolithic talc-filled TPO, with broader processing window, and favorable mechanical properties.

Applications Exterior components, industrial covers, housings, claddings, shrouds

PROPERTY		TYPICAL VALUE ¹	UNITS	TEST METHOD
Specific Gravity		1.10		ISO 1183
Gloss, 60° (textured*, post-formed, male tooling)		12 - 14	%	ASTM 523
Shrink Rate		0.8 – 1.0	%	ISO 294-4
Flexural Modulus		276,000 1,903	psi MPa	ASTM D790
Tensile Strength at Yield		3,600 24.8	psi MPa	ASTM D638
Gardner Impact	at 32°F (0°C) at -22°F (-30°C)	320 (36) 288 (33)	in*lbs (Joules)	ASTM D5420
Multi-Axial Impact	at 32°F (0°C) at -22°F (-30°C)	44.3, 100% ductile 36.4, 75% ductile	Joules	ASTM D3762
HDT	at 66 psi (0.45 MPa) at 264 psi (1.45 MPa)	216 (102) 130 (54)	°F (°C)	ASTM D648
CLTE (-30°C to 80°C)		3.2 x 10 ⁻⁵ 5.8 x 10 ⁻⁵	in/in/°F mm/mm/°C	ISO 11359

* Textured gloss noted. Non-textured (smooth) use of this product not recommended

NOTE: Data values are typical properties and are not to be construed as specifications. Users should confirm results by their own tests and evaluation methods. SIMONA PMC makes no warranties, expressed or implied, concerning the suitability of use. No freedom from infringement of any patent of others is to be inferred. SIMONA PMC reserves the right to make additions, deletions, or modifications to this information at any time without prior notification. Rev. 11.19

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