



# PremierCap® 1750

**Description** PremierCap® 1750 is a coextruded TPO sheet system designed to offer a high gloss, excellent scratch & mar resistant, 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 <sup>1</sup>	UNITS	TEST METHOD
Specific Gravity	1.10		ISO 1183
Gloss, 60° (smooth, post-formed, male tooling)	85 – 90	%	ASTM 523
Crock Mar Resistance (retained gloss 60°)	75 – 80	%	PMC Method
Shrink Rate	0.8 – 1.0	%	ISO 294-4
Flexural Modulus	290,800 2,006	psi MPa	ASTM D790
Tensile Strength at Yield	3,091 21.3	psi MPa	ASTM D638
Gardner Impact at 32°F (0°C) at -22°F (-30°C)	320 (36) 208 (23)	in*lbs (Joules)	ASTM D5420
Multi-Axial Impact at 32°F (0°C) at -22°F (-30°C)	44.0, 100% ductile 32.4, 50% ductile	Joules	ASTM D3762
HDT at 66 psi (0.45 MPa) at 264 psi (1.45 MPa)	212 (100) 134 (57)	°F (°C)	ASTM D648
CLTE (-30°C to 80°C)	3.3 x 10 <sup>-5</sup> 5.9 x 10 <sup>-5</sup>	in/in/°F mm/mm/°C	ISO 11359

<sup>1</sup> Property values tested on co-extruded sheet, 4 mm (0.157”) thick, 10% cap layer, 30% regrind used

**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

**SIMONA PMC**  
 2040 Industrial Drive  
 Findlay, OH 45839  
 T: 877.289.7626  
 F: 419.425.0501  
[www.simona-pmc.com](http://www.simona-pmc.com)