PremierCap® 1755

Description PremierCap® 1755 is a next-generation high gloss, coextruded TPO sheet system over an ultra-high melt strength core. This product is designed to offer a weatherable cap that provides enhanced scratch & mar resistance over a performance substrate with the broadest processing window, and favorable mechanical properties.

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

PROPERTY	TYPICAL VALUE[1]	UNITS	TEST METHOD
Specific Gravity	1.09		ISO 1183
Gloss, 60° (smooth, post-formed, male tooling)	85 – 90	%	ASTM 523
Crock Mar Resistance (Retained gloss at 60° observer)	75 - 80	%	PMC Method
Shrink Rate	0.8 – 1.0	%	ISO 294-4
Flexural Modulus	325,000 2,241	psi MPa	ASTM D790
Tensile Strength at Yield	3,825 26.4	psi MPa	ASTM D638
Gardner Impact at 32°F (0°C) at -22°F (-30°C)	320 (36) 212 (24)	in*lbs (Joules)	ASTM D5420
Multi-Axial Impact at 32°F (0°C) at -5°F (-15°C) at -22°F (-30°C)	38.8, 100% ductile 46.1, 100% ductile 30.3, 50% ductile	Joules	ASTM D3762
HDT at 66 psi (0.45 MPa) at 264 psi (1.45 MPa)	205 (96) 124 (51)	°F (°C)	ASTM D648
CLTE (-30°C to 80°C)	3.8×10^{-5} 6.9×10^{-5}	in/in/°F mm/mm/°C	ISO 11359

[1] Property values tested on coextruded sheet, 0.125" thick, 10% cap layer, 30% regrind

Rev 02-20

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.

SIMONA PMC
2040 Industrial Drive
Findlay, OH 45839
T: 877.289.7626
F: 419.425.0501
www.simona-pmc.com