



PremierCap® 1825

LG-capped Glass-Filled TPO

Description PremierCap® 1825 is a next-generation low gloss cap coextruded over a 22% glass filled TPO core. This product provides a weatherable, improved scratch & mar low gloss cap over a glass-filled core with enhanced stiffness & HDT.

Applications Exterior components, industrial covers, housings, hoods, claddings, shrouds & other structural parts

PROPERTY	TYPICAL VALUE ¹	UNITS	TEST METHOD
Specific Gravity	1.04		ISO 1183
Gloss, 60° (smooth, post-formed, male tooling)	14 – 18	%	ASTM 523
Crock Mar Resistance (Retained gloss at 60° observer)	75 - 80	%	PMC Method
Shrink Rate	0.6 – 0.8	%	ISO 294-4
Flexural Modulus	536,500 3,699	psi MPa	ASTM D790
Tensile Strength at Yield	9,463 65.2	psi MPa	ASTM D638
Notched Izod at 23°C	40 85	ft*lb _f /in ² kJ/m ²	ASTM D256
HDT at 66 psi (0.45 MPa) at 264 psi (1.45 MPa)	287 (142) 271 (133)	°F (°C)	ASTM D648
CLTE (-30°C to 80°C)	3.3 x 10 ⁻⁵ 5.9 x 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

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 04-20.

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