



# OneStep<sup>®</sup> 4100

**Description** OneStep<sup>™</sup> 4100 is a multi-layer laminated sheet comprised of a foamed, soft-touch vinyl skin bonded to a utility ABS core. This product is designed to offer a formable sheet system that provides the durability & outdoor weather resistance of vinyl with the ease of processing & bonding of ABS.

**Applications** Interior & exterior panels, dashes, consoles, trim, and replacement for hand-wrapped vinyl parts.

PROPERTY	TYPICAL VALUE <sup>1</sup>	UNITS	TEST METHOD
Hardness	29	Shore D	ASTM D2240
Gloss, 60° (textured, post-formed, male tooling)	2 - 6	%	ASTM 523
Shrink Rate	0.5 – 0.8	%	ISO 294-4
Flexural Modulus	379,000 2,614	psi MPa	ASTM D790
Tensile Strength at Yield	4,046 28	psi MPa	ASTM D638
Gardner Impact at 73°F (23°C) at 32°F (0°C) at -22°F (-30°C)	313 (35) 312 (35) 134 (15)	in*lbs (Joules)	ASTM D5420
HDT at 66 psi (0.45 MPa) at 264 psi (1.45 MPa)	205 (96) 187 (86)	°F (°C)	ASTM D648
CLTE (-30°C to 80°C)	4.6 x 10 <sup>-5</sup> 8.3 x 10 <sup>-5</sup>	in/in/°F mm/mm/°C	ISO 11359
Burn Rate	0 (self-extinguishing)	mm/min	FMVSS302

Property values tested on laminated sheet, 0.180 – 0.285 in. total thickness (laminated and ABS).

**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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