



# PMC<sup>®</sup> 705

**Description** PMC<sup>®</sup> 705 is a monolithic TPO sheet comprised of an ultra-high melt strength, impact-modified, talc-filled TPO, to achieve a broader processing window, while maintaining favorable mechanical properties.

**Applications** Bumpers, wheel lips, valences, claddings, rocker panels, industrial covers & enclosures

PROPERTY	TYPICAL VALUE <sup>1</sup>	UNITS	TEST METHOD
Specific Gravity	1.10		ISO 1183
Gloss, 60° (textured, post-formed, male tooling)	7 - 10	%	ASTM 523
Shrink Rate	0.75 – 0.95	%	ISO 294-4
Flexural Modulus	310,000 2,138	psi MPa	ASTM D790
Tensile Strength at Yield	3,450 23.8	psi MPa	ASTM D638
Gardner Impact at 32°F (0°C) at -22°F (-30°C)	320 (36) 320 (36)	in*lbs (Joules)	ASTM D5420
Multi-Axial Impact at 32°F (0°C) at -22°F (-30°C)	44.0, 100% ductile 50.8, 100% ductile	Joules	ASTM D3762
HDT at 66 psi (0.45 MPa) at 264 psi (1.45 MPa)	230 (110) 138 (59)	°F (°C)	ASTM D648
CLTE (-30°C to 80°C)	3.1 x 10 <sup>-5</sup> 5.5 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, 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. 08.20

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