



PMC 510

Description PMC 510 is a Utility TPO grade, consisting of post-industrial regrind, typically closed loop, with a virgin cap. This talc-filled, impact-modified compounded material offers many of the physical property advantages of prime TPO, but at a lower price point. Available in standard weatherable black, and in a variety of textures.

Applications Industrial covers, wheel lips, claddings, underbody panels

PROPERTY	TYPICAL VALUE ¹	UNITS	TEST METHOD
Specific Gravity	1.10 - 1.12		ISO 1183
Hardness	62 – 64	Shore D	ISO 868
Shrink Rate	0.8 – 1.0	%	ISO 294-4
Flexural Modulus	290,000 2,000	psi MPa	ASTM D790
Tensile Strength at Yield	3,016 20.8	psi MPa	ASTM D638
Gardner Impact at 32°F (0°C) at -22°F (-30°C)	322 (36) 313 (35)	in*lbs (Joules)	ASTM D5420
Multi-Axial Impact at 32°F (0°C) at -22°F (-30°C)	45.4, 100% ductile 51.1, 90% ductile	Joules	ASTM D3762
HDT at 66 psi (0.45 MPa) at 264 psi (1.45 MPa)	210 (99) 134 (57)	°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 an A-side laminated monolithic 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. 07.20

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