# PMC® 755

**Description** PMC 755 is a coextruded TPO system comprised of a copolymer polypropylene cap layer over an impact-modified, talc-filled, high melt strength TPO, to achieve a glossy sheet with favorable mechanical properties and the widest processing window.

**Applications** Deep draw parts, bumpers, wheel lips, valences, claddings, rocker panels, industrial covers

| PROPERTY | TYPICAL VALUE[1] | UNITS | TEST METHOD |
|---|---|---|---|
| Specific Gravity | 1.09 | | ISO 1183 |
| Gloss, 60°<br>(smooth, post-formed, male tooling) | 85 – 90 | % | ASTM 523 |
| Shrink Rate | 0.8 – 1.0 | % | ISO 294-4 |
| Flexural Modulus | 216,000<br>1,490 | psi<br>MPa | ASTM D790 |
| Tensile Strength at Yield | 2,407<br>16.6 | psi<br>MPa | ASTM D638 |
| Gardner Impact at 32°F (0°C)<br>at -22°F (-30°C) | 200 (22.3)<br>161 (18) | in*lbs (Joules) | ASTM D5420 |
| Multi-Axial Impact at 32°F (0°C)<br>at -22°F (-30°C) | 37.1, 100% ductile<br>32.1, 40% ductile | Joules | ASTM D3762 |
| HDT at 66 psi (0.45 MPa)<br>at 264 psi (1.45 MPa) | 205 (96)<br>124 (51) | °F (°C) | ASTM D648 |
| CLTE (-30°C to 80°C) | $3.3 \times 10^{-5}$<br>$5.9 \times 10^{-5}$ | in/in/°F<br>mm/mm/°C | ISO 11359 |

[1] Property values tested on co-extruded sheet, 4 mm (0.157") thick, 10% cap layer, 30% regrind used Rev 05.20

**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.

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