

## Flint Hills AP7710-HS Impact Copolymer Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

**Material Notes:**

TPO copolymer, UL certified, and FDA compliant. Features: Structural stiffness, ultra high impact strength, and high uniform flow rate. Applications: Injection molding: automotive items and exterior equipment components. Former Huntsman polypropylene products are now produced by Flint Hills Resources.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Flint-Hills-AP7710-HS-Impact-Copolymer-Polypropylene.php](http://www.lookpolymers.com/polymer_Flint-Hills-AP7710-HS-Impact-Copolymer-Polypropylene.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	10 g/10 min	10 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	40	40	ASTM D785
Tensile Strength, Yield	19.0 MPa	2760 psi	ASTM D638
Elongation at Yield	30 %	30 %	ASTM D638
Flexural Modulus	0.850 GPa	123 ksi	Tangent; ASTM D790
Gardner Impact	>= 36.0 J @Temperature -30.0 Â°C	>= 26.6 ft-lb @Temperature -22.0 Â°F	ASTM D3029
Impact Test	23.0 J @Temperature -30.0 Â°C	17.0 ft-lb @Temperature -22.0 Â°F	Multi-axial Impact; ASTM D3763

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	81.0 Â°C	178 Â°F	ASTM D648

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