

## Flint Hills AP7810-HS Polypropylene Ultra High Impact Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer , Polypropylene, Impact Modified; Molded/Extruded

**Material Notes:**

Features: Excellent stiffness and low temperature ductility. Applications: Injection Molding: Automotive interior energy management solutions  
Information Provided by Flint Hills Resources

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Flint-Hills-AP7810-HS-Polypropylene-Ultra-High-Impact-Copolymer.php](http://www.lookpolymers.com/polymer_Flint-Hills-AP7810-HS-Polypropylene-Ultra-High-Impact-Copolymer.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	97	97	ASTM D785
Tensile Strength, Yield	22.0 MPa	3190 psi	ASTM D638
Izod Impact, Notched	NB @Temperature 23.0 Â°C	NB @Temperature 73.4 Â°F	ASTM D256
Gardner Impact	36.0 J @Temperature 23.0 Â°C	26.6 ft-lb @Temperature 73.4 Â°F	ASTM D5420
	36.0 J @Temperature -30.0 Â°C	26.6 ft-lb @Temperature -22.0 Â°F	ASTM D5420
Tangent Modulus	1069 MPa	155000 psi	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	78.0 Â°C	172 Â°F	ASTM D648

Descriptive Properties	Value	Comments
Instrumented Impact	Ductile	6.7 m/s; -30Â°C; ASTM D3029

## Contact Songhan Plastic Technology Co.,Ltd.

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