

## Flint Hills 44S2A Polypropylene Impact Copolymer

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

**Material Notes:**

Features: Phosphorus free additive package for silicon coated applications. Product does not contain animal derived components. Applications: Extrusion: blown and cast film  
Information Provided by Flint Hills Resources

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Flint-Hills-44S2A-Polypropylene-Impact-Copolymer.php](http://www.lookpolymers.com/polymer_Flint-Hills-44S2A-Polypropylene-Impact-Copolymer.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	2.0 g/10 min	2.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	79	79	ASTM D785
Tensile Strength, Yield	26.5 MPa	3840 psi	ASTM D638
Elongation at Break	>= 300 %	>= 300 %	ASTM D638
Tensile Modulus	1.18 GPa	171 ksi	ASTM D638
Flexural Modulus	1.08 GPa	157 ksi	ASTM D790
Izod Impact, Notched	3.50 J/cm @Temperature 23.0 Â°C	6.56 ft-lb/in @Temperature 73.4 Â°F	ASTM D256
Gardner Impact	>= 36.2 J @Temperature -30.0 Â°C	>= 26.7 ft-lb @Temperature -22.0 Â°F	ASTM D5420

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

## Contact Songhan Plastic Technology Co.,Ltd.

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