

## Flint Hills P5C4K-089 Random Copolymer Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Film Grade

**Material Notes:**

Features: Good clarity. Product does not contain animal derived components. Phthalate-free  
Applications: Cast Film  
Information provided by Flint Hills Resources.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Flint-Hills-P5C4K-089-Random-Copolymer-Polypropylene.php](http://www.lookpolymers.com/polymer_Flint-Hills-P5C4K-089-Random-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	92	92	ASTM D785
Tensile Strength, Yield	28.0 MPa	4060 psi	ASTM D638
Elongation at Yield	12 %	12 %	ASTM D638
Flexural Modulus	0.970 GPa	141 ksi	Tangent; ASTM D790
Flexural Modulus, 1% Secant	930 MPa	135000 psi	ASTM D790
Izod Impact, Notched	1.15 J/cm	2.15 ft-lb/in	ASTM D256
Gardner Impact	>= 36.2 J	>= 26.7 ft-lb	ASTM D5420

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	89.0 Å°C	192 Å°F	ASTM D648

Descriptive Properties	Value	Comments
FDA	21 CFR 177.1520(c) 3.1a	

## Contact Songhan Plastic Technology Co.,Ltd.

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