

## Flint Hills PP 13T10A cs279 Random Copolymer Polypropylene

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

### Material Notes:

Random copolymer with antistat, clarified, and FDA compliant. Features: Excellent clarity, non-blushing, good impact resistance, and high stiffness. Applications: Injection molding: lab ware, food packaging, kitchenware, and good clarity. FDA Notes: 21 CFR 177.1520 (c)3.1 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-PP-13T10A-cs279-Random-Copolymer-Polypropylene.php](http://www.lookpolymers.com/polymer_Flint-Hills-PP-13T10A-cs279-Random-Copolymer-Polypropylene.php)

| Physical Properties | Metric      | English                   | Comments   |
|---------------------|-------------|---------------------------|------------|
| Density             | 0.900 g/cc  | 0.0325 lb/in <sup>3</sup> | ASTM D792  |
| Melt Flow           | 10 g/10 min | 10 g/10 min               | ASTM D1238 |

| Mechanical Properties   | Metric     | English       | Comments          |
|-------------------------|------------|---------------|-------------------|
| Hardness, Rockwell R    | 90         | 90            | ASTM D785         |
| Tensile Strength, Yield | 29.0 MPa   | 4210 psi      | ASTM D638         |
| Elongation at Break     | >= 500 %   | >= 500 %      | ASTM D638         |
| Modulus of Elasticity   | 1.207 GPa  | 175.1 ksi     | ASTM D638         |
| Flexural Modulus        | 1.138 GPa  | 165.1 ksi     | ASTM D790         |
| Izod Impact, Notched    | 0.600 J/cm | 1.12 ft-lb/in | 23Â° C; ASTM D256 |

| Thermal Properties                          | Metric   | English | Comments  |
|---------------------------------------------|----------|---------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 95.0 Â°C | 203 Â°F | ASTM D648 |

| Optical Properties | Metric  | English | Comments                           |
|--------------------|---------|---------|------------------------------------|
| Haze               | <= 10 % | <= 10 % | 0.025 in. Thickness; ASTM D1003(A) |

## Contact Songhan Plastic Technology Co.,Ltd.

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