

## Flint Hills PP 23R2A Random Copolymer Polypropylene

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

### Material Notes:

Random copolymer, radiation sterilization resistant, Drug Master File (DMF) listed, USP Class VI certified, and FDA compliant. Features: High contact clarity, non-blushing, toughness, impact, chemical, solvent, stress crack resistance, stiffness, hardness, heat resistance, exceptional high clarity and impact strength. Applications: Blow molded: radiation sterilizable vials and bottles. FDA Notes: 21 CFR 177.1520 (c)3.2; under conditions of use B through H described in 21 CFR 176.170 Table 2. 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-23R2A-Random-Copolymer-Polypropylene.php](http://www.lookpolymers.com/polymer_Flint-Hills-PP-23R2A-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	2.0 g/10 min	2.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	90	90	ASTM D785
Tensile Strength, Yield	27.0 MPa	3920 psi	ASTM D638
Elongation at Break	>= 700 %	>= 700 %	ASTM D638
Modulus of Elasticity	1.015 GPa	147.2 ksi	ASTM D638
Flexural Modulus	0.940 GPa	136 ksi	ASTM D790
Izod Impact	80.0 J	59.0 ft-lb	Notched; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	90.0 Â°C	194 Â°F	ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

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