



Prime Engineering and Commodity Thermoplastic Resins

RP 3501-C Random Copolymer Polypropylene

Description: RP 3501-C is a high melt flow random copolymer with fast cycle time and easy mold release. Its clarity makes it an excellent choice for “see-through” applications.

Applications: Storage Boxes / Pill Vials / containers

Features: Excellent “see-through” clarity
Fast cycle times
Easy mold release
FDA 21 CFR 177.1520

Physical Properties	Typical Values	Test Method(s)
Melt Flow Rate – g/10 min (230°C/2.16kg)	35.0	D-1238
Tensile Strength @ Yield - psi	4,300	D-638
Elongation at Yield - %	13.0	D-638
Flexural Modulus – psi	155,000	D-790
HDTUL – 66 psi	90°C	D-648
Izod Impact Strength - 73°F, ft-lbs/in	1.2	D-256
Rockwell Hardness – R	100	D-785

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The nominal properties reported herein are laboratory tested and are typical data for these materials. Plastic Solutions, Inc. does not guarantee suitability of these materials for specific applications. Each user of material should make their own tests to determine suitability of a material in a design or application.

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