



Prime Engineering and Commodity Thermoplastic Resins

PC 1812-UR Injection Grade Polycarbonate

Description: PC 1812-UR is an injection grade polycarbonate with mold release and UV stabilizer.

Applications: Automotive lenses / radio lenses / door handles

Features: Excellent
Good melt flow

Physical Properties	Typical Values	Test Method(s)
Specific Gravity	1.21	D-792
Melt Flow Rate - g/10 min	18	D-1238
Mold Shrinkage - %	0.6	1/8" section
Tensile Strength at Yield - psi	9000	D-638
Elongation at Break - %	>130	D-638
Flexural Strength – psi	14,300	D-790
Flexural Modulus - psi	330,000	D-790
HDTUL – 264 psi	270° F	D-648
Izod Impact Strength – ft-lb/in	12	D-256
Flammability	HB	UL94

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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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