



Prime Engineering and Commodity Thermoplastic Resins

ABS 550 General Purpose ABS

Description: ABS 550 is an easy flowing grade of ABS for injection molding with high resistance to impact and heat deflection.

Applications: Housing / toys / small appliances / consumer products

Features: High Impact / High Gloss / Available in colors

Physical Properties	Typical Values	Test Method(s)
Specific Gravity	1.04	D-792
Melt Flow Rate - g/10 min (230°C / 3.8kg)	5.0	D-1238
Tensile Strength at Yield – psi	6,500	D-638
Tensile Modulus - psi	350,000	D-638
Flexural Modulus – psi	350,000	D-790
Flexural Strength @ Yield - psi	10,500	D-790
HDTUL Unannealed – 264 psi	181° F	D-648
Izod Impact Strength – ft-lbs/in	5.0	D-256
Linear Flow	.004-.008 in/in	D-955

Distributed Exclusively by: Plastic Solutions, Inc.
15800 Birmingham Hwy – Bldg 500
Milton, GA 30004
www.plasticsolutions.net

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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