



Prime ABS 750 is a general purpose ABS product that has good impact strength, and good hot strength for thermoforming. It is an amorphous thermoplastic material and therefore, processes easier than some other thermoplastic materials.



## PRIME ABS 750

| Prime ABS 750                   | High | Avg. |
|---------------------------------|------|------|
| Impact Strength                 | *    |      |
| Low Temperature Impact Strength |      | *    |
| Tensile Strength                | *    |      |
| Flexural Modulus                | *    |      |
| Heat Deflection Temperature     | *    |      |

| Property                | Test Method | Value   | Unit     |
|-------------------------|-------------|---------|----------|
| Specific Gravity        | D-792       | 1.04    |          |
| Melt Flow               | D-1238      | 1.7     | g/10min  |
| Gloss, 60° Angle        | D-523       | 90      | %        |
| Tensile @ Yield         | D-638       | 5,100   | psi      |
| Flexural Strength       | D-790       | 8,000   | psi      |
| Flexural Modulus        | D-790       | 270,000 | psi      |
| Notched Izod @ 73°F     | D-256       | 6.3     | ft-lb/in |
| Notched Izod @ - 40°F   | D-256       | 2.2     | ft-lb/in |
| Rockwell Hardness       | D-785       | 102     | R Scale  |
| HDT @ 264 psi, Annealed | D-648       | 198     | °F       |
| Vicat Softening Point   | D-1525      | 224     | °F       |

### Applications:

Prime ABS 750 may be used for interior applications such as appliance parts, tub and shower wall surrounds, and interior automotive trim. With the addition of a weatherable cap it may also be used in many outdoor applications.

### Finishing:

Parts made with Prime ABS 750 may be joined with machine screws, bolts, nuts, rivets, and spring steel fasteners. Thread cutting or thread-forming screws is an economical means of securing separate joints. Formed parts may be joined with Methylene Chloride if maximum impact strength is not required. Press and snap techniques and sonic welding may also be used for the bonding of Prime ABS 750.

Complies with UL 94-HB at thickness > .060 in. Complies with FMVSS # 302 at thickness > .050 in. Complies with FDA Regulation 21 CFR 181.32

### Processing:

Prime ABS 750 is rather easy to thermoform due to its exceptional hot strength. It can be formed on wood, epoxy, ceramic and or aluminum tools. The forming temperature has a range of 300 - 350°F. For best results the mold temperature should be 150-190°F. In some cases it is necessary to dry the sheet before forming.

### Colors, Textures and Capabilities:

Prime ABS 750 can be color matched to meet your specific requirements. Prime ABS 750 is available in Thicknesses from .030 - .400. Textures include; Calf Grain, HC, RM, Seville, Levant II, FL/HC and Diamond Plate.

Please contact your Primex Plastics representative for more information on finishing, fabricating, or the thermoforming process.

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