



ABS Extruded Grade

Acrylonitrile Butadiene Styrene

Description and Overview

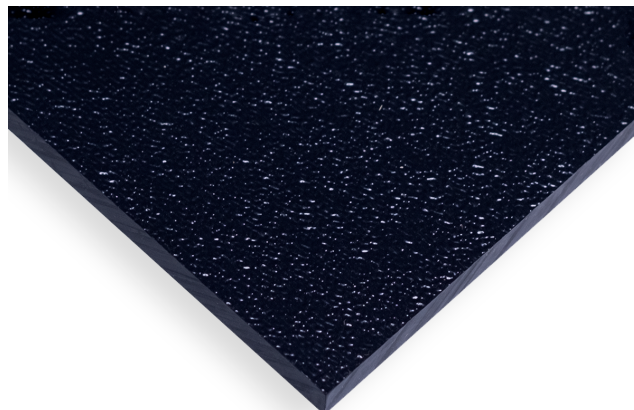
Extruded grade ABS is a tough, rigid, thermoplastic with excellent dimensional stability and high impact strength at low temperatures. Extruded grade ABS can be easily cut, thermoformed, fabricated and routed using common woodworking tools. It can also be easily solvent bonded.

Utility sheet ABS is cost-effective and features a high modulus of elasticity with excellent impact properties. Extruded grade features an ABS cap over a regrind base. The cap represents approximately 20% of total sheet thickness.

Applications and Uses

ABS plastics are used in thermoforming applications where heat-induced flexibility and physical appearance are preferred. Its high-impact resistance in combination with a textured surface makes ABS sheet ideal for applications that require a scratch resistant decorative finish.

- Instrument panels
- Sports equipment
- Luggage
- Marine applications
- RV components
- Automotive car interiors
- Refrigerator panels
- Storage bins



ABS is available in machine & extruded grades.

Full sheet: 48" x 96" (0.060" through 0.375" thick)
Rod: (0.250" through 4.0" diameter)

Properties and Specifications

Property	ABS Extruded Grade
Specific Gravity	1.04
Melt Index Condition I	1.7 g/10 min.
Gloss, 60°	90%
Yield Tensile Strength (psi)	5,100
Izod Impact Strength (ft-lbs/in.)	6.3
Flexural Modulus (psi)	0.19 - 0.21
Affixable Properties	Chem / Mech

Properties are typical.
Chem is an abbreviation for chemically affixed with glues, chemicals, or adhesive.
Mech is an abbreviation for mechanically affixed bonding.
Field testing is recommended for any application.

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WARNING: This product can expose you to chemicals including Acrylonitrile, CAS 107-13-1, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov



WARNING: This product can expose you to chemicals including Styrene, CAS 100-42-5, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov



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ADVANCED MATERIALS

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