



# Practi-Shim™ Product Brochure

AccuTrex Products, Inc. sells its own line of color-coded plastic, called Practi-Shim™. Practi-Shim™ plastic shim stock is color-coded, so the user can tell the thickness at a glance. AccuTrex Products, Inc. sells Practi-Shim™ color-coded shim stock in sheets and rolls, or they will fabricate the parts for you.

Please contact your AccuTrex account executive, or you can order online from the Practi-Shim™ store at: <http://www.practishimstore.com>

Color and Thickness Chart		
Color	Thickness	Style
Clear	Inch: 0.0005"	Style: #222
Amber	Inch: 0.001"	Style: #222
Purple	Inch: 0.0015"	Style: #222
Red	Inch: 0.002"	Style: #222
Green	Inch: 0.003"	Style: #222
Tan	Inch: 0.004"	Style: #222
Blue	Inch: 0.005"	Style: #222
Transmatte	Inch: 0.0075"	Style: #222
Brown	Inch: 0.010"	Style: #222
Black	Inch: 0.012"	Style: #222
Pink	Inch: 0.015"	Style: #222
Yellow	Inch: 0.020"	Style: #222
White	Inch: 0.025"	Style: #333
Coral	Inch: 0.030"	Style: #333
Translucent	Inch: 0.060"	Style: #333

*Note: Color on page may not perfectly match color of shim. Color is for general reference.*



# Practi-Shim™ Product Brochure (Cont.)

Performance/Engineering Data		
Material Types:	Practi-Shim™ #222	Practi-Shim™#333
<b>Physical</b>		
Thickness Tolerance:	+/- 10%	+/- 10%
Upper Service Temp.:	302° F. (150° C.)	212° F. (100° C.)
Lower Service Temp:	-94° F (-70° C.)	-76° F. (-60° C.)
Melt Point:	491° F. (255° C.)	302° F. (150° C.)
Water Absorption:	0.80%	0.20%
Ultimate Elongation:	120%	110%
Tensile at Yield:	170 Mpa.	600 kg/cm
Compression at 500 psi:	0.11%	1.00%
Density:	1.39 g/cm <sup>3</sup>	0.91g/cm <sup>3</sup>
Ignition Temp.:	752° F. (400° C.)	572°F.(300° C.)
Creep:	0.90%	4.00%
<b>Electrical</b>		
Dielectric Strength:	280 kV/mm	400 V/mm
Volume Resistivity:	1x10 <sup>13</sup> cm	1x10 <sup>14</sup> cm
Surface Resistivity:	1x10 <sup>16</sup> cm	---
<b>Chemical</b>		
Acetic Acid:	Suitable	Suitable
Hydrochloric Acid 10%:	Suitable	Suitable
Sodium Hydroxide 10%:	Suitable	Suitable
Water:	Suitable	Suitable
Tricoethylene:	Suitable	Not Suitable
Detergent Oils 50° F. (10° C.)	Suitable	Suitable
Detergent Oil 194° F. (90° C.)	Not Suitable	Suitable
Other Hydrocarbon Oils:	Suitable	Not Suitable
Ammonium Hydroxide:	Not Suitable	Not Suitable
Surface coloring on grade #222 may dissolve in solvents without deterioration to the base material. All materials should be tested for suitability for food and drink contact as well as other performance requirements.		
<i>The information stated here is based on technical data that AccuTrex Products, Inc. believes to be reliable. Any application should be thoroughly tested to assure product reliability in every respect. AccuTrex Products, Inc. assumes no obligation or liability resulting from the use of the information contained herein and the user shall assume all risk and liability.</i>		



# About AccuTrex Products, Inc.



A Veteran-Owned  
Small Business



**AccuTrex Products, Inc.** is a Veteran Owned ISO 9001:2008 and AS9100 Registered Company.

**AccuTrex Products, Inc.** serving industries since 1980, manufactures a wide range of custom products for diverse and demanding industries throughout the world. Our product line includes custom shims, gaskets, metal stampings, sheet metal fabrication and assemblies, made to your precise needs, in prototype, short and production runs.

Because we are employee-owned, each person at **AccuTrex** has a vested interest in meeting your toughest demands for quality products, professional service and timely delivery. As an ISO 9001:2008 and AS9100 registered company, we continue to invest in the people, facilities and technologies to serve your every need. With over a quarter million (268,000 actual) square feet of manufacturing space strategically located in Pennsylvania and South Carolina, **AccuTrex** offers the finest, cutting-edge solutions to your stamping and fabricating needs.

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