



<p>DESCRIPTION</p>	<p>TrueCast 00 is a two component urethane elastomer that is specifically formulated to mold high elongation soft parts or pads that absorb impact or vibration. Once cured, TrueCast 00 forms a soft yet tough polymer that is ideally suited for soft molding for plaster, sound damping speaker pads or life like artificial skin parts. TrueCast 00 is low viscosity and is easily mixed and poured. Full cure is 24 hours at 72° F. Curing can be heat accelerated (150° F / 8 hours) to speed up processing. It is tough and has low durometer, is insensitive to inhibition and has good adhesion between coats.</p>																																																																		
<p>APPLICATION AND MIX RATIO</p>	<p>Component A and component B are supplied in 1 and 5 gallon plastic containers. Component B should be thoroughly mixed before using. Component A does not need mixing. Carefully weigh out equal portions of component A and component B. Mix together for 1 to 2 minutes by hand using a spatula for small batches (1/2 gallon or less), or electric drill and jiffy mixer for larger batches. Use silicone mold release, even when using a silicone mold to avoid residual tack. Molds may be dusted with talc powder before pouring in liquid to produce a tack free permanent surface on cured parts. TrueCast 00 is fully cured in 24 hours at 72°F. Colder curing temperatures will lengthen cure times. Warmer temperatures will greatly reduce working and cure times. Curing can be heat accelerated (150° F/ 8 hours) to speed up processing. Use methyl ethyl ketone (MEK), acetone or mineral spirits for clean-up.</p>																																																																		
<p>WORKING PROPERTIES</p>	<table border="0"> <tr> <td>Mix Ratio By weight</td> <td></td> <td>100 parts A/ 100 part B</td> </tr> <tr> <td>Mix Ratio By volume</td> <td></td> <td>100 parts A/ 97 parts B</td> </tr> <tr> <td>Viscosity @ 72°F (A Side)</td> <td></td> <td>2000 CPS</td> </tr> <tr> <td>Viscosity @ 72°F (B Side)</td> <td></td> <td>1000 CPS</td> </tr> <tr> <td>Viscosity @ 72°F (Mixed)</td> <td></td> <td>1500 CPS</td> </tr> <tr> <td>Color</td> <td>Part A:</td> <td>Clear</td> </tr> <tr> <td>Color</td> <td>Part B:</td> <td>Off white</td> </tr> <tr> <td>Color</td> <td>Mixed:</td> <td>Off white</td> </tr> <tr> <td>Working Life @ 72°F</td> <td></td> <td>24 - 30 minutes</td> </tr> <tr> <td>Full Cure Time* @ 72°F</td> <td></td> <td>24 hours</td> </tr> <tr> <td colspan="3">* Set time and Demold time depends on temperature and relative humidity.</td> </tr> <tr> <td>Specific Gravity: (Part A)</td> <td></td> <td>1.10</td> </tr> <tr> <td>Specific Gravity: (Part B)</td> <td></td> <td>1.06</td> </tr> <tr> <td>Specific Gravity: (Mixed)</td> <td></td> <td>1.08</td> </tr> <tr> <td>Weight/Gallon Part A</td> <td></td> <td>9.17 lbs.</td> </tr> <tr> <td>Weight/Gallon Part B</td> <td></td> <td>8.87 lbs.</td> </tr> <tr> <td>Weight/Gallon Mixed</td> <td></td> <td>9.02 lbs.</td> </tr> <tr> <td>Cubic inch per lb. of product</td> <td></td> <td>25.61 in³/lb.</td> </tr> <tr> <td>Hardness @ 72° F</td> <td>ASTM 2240-85</td> <td>0-10 Shore A</td> </tr> <tr> <td>Tear Strength</td> <td>ASTM D-624</td> <td>32 lb./in.</td> </tr> <tr> <td>Tensile Strength</td> <td>ASTM D-412 die C</td> <td>116 psi</td> </tr> <tr> <td>Elongation</td> <td>ASTM D-412 die C</td> <td>1329%</td> </tr> </table>	Mix Ratio By weight		100 parts A/ 100 part B	Mix Ratio By volume		100 parts A/ 97 parts B	Viscosity @ 72°F (A Side)		2000 CPS	Viscosity @ 72°F (B Side)		1000 CPS	Viscosity @ 72°F (Mixed)		1500 CPS	Color	Part A:	Clear	Color	Part B:	Off white	Color	Mixed:	Off white	Working Life @ 72°F		24 - 30 minutes	Full Cure Time* @ 72°F		24 hours	* Set time and Demold time depends on temperature and relative humidity.			Specific Gravity: (Part A)		1.10	Specific Gravity: (Part B)		1.06	Specific Gravity: (Mixed)		1.08	Weight/Gallon Part A		9.17 lbs.	Weight/Gallon Part B		8.87 lbs.	Weight/Gallon Mixed		9.02 lbs.	Cubic inch per lb. of product		25.61 in ³ /lb.	Hardness @ 72° F	ASTM 2240-85	0-10 Shore A	Tear Strength	ASTM D-624	32 lb./in.	Tensile Strength	ASTM D-412 die C	116 psi	Elongation	ASTM D-412 die C	1329%
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<p>CLEAN UP</p>	<p>Dispose of all empty TrueCast 00 component containers in accordance with local, state and federal regulations. Empty component containers can be rendered non-hazardous by rinsing the containers with a small amount of mixed material and allowing material to cure for 24 hours. The containers will then contain non-hazardous cured urethane.</p>																																																																		
<p>STORAGE AND SHELF LIFE</p>	<p>TrueCast 00 is shipped from the factory in sealed containers. The containers should be stored in a cool, dry area that is protected from direct sunlight and moisture. Storage temperatures should not exceed 80°F. The shelf life of the factory sealed containers stored under these conditions is six months. Containers that have been opened should be resealed immediately after material has been removed in order to prevent solvent evaporation.</p>																																																																		
<p>SHIPPING CLASS</p>	<p>Class 55 Non-hazardous</p>																																																																		