









# HOTTY TPX<sup>®</sup> Mandrel

TPX<sup>®</sup> Mandrel is low cost and has excellent heat resistance and mold release characteristics.

This product is mandrel which is made of TPX<sup>®</sup> (polymethylpentene, PMP).

TPX<sup>®</sup> is a resin with excellent transparency, heat resistance and chemical resistance. It has excellent stain resistance and mold release characteristics, because its surface tension is 24 dyne/cm. In addition, it has excellent heat aging resistance, steam (boiling water) resistance. Because of the above advantages, it can reduce the production cost and the vulcanization process of rubber hose. Also, the dimensional accuracy is good because of its low water absorption rate. In recent years, it is used as a mandrel of carbon products such as C-FRP. In addition, it is possible to reduce the occurrence of voids by our special production equipment. Please contact us for manufacturable size.

## Features

<p><b>Heat Resistance</b></p>  <p>It can be used at high-temperature because its Vicat softening point is high. Melting point (220-240 °C)</p>	<p><b>Mold Release</b></p>  <p>It has excellent mold release characteristics, because its surface tension is 24 dyne/cm.</p>	<p><b>Steam Resistance</b></p>  <p>It is suitable for vulcanization of rubber hoses because it has excellent steam resistance.</p>
<p><b>Chemical Resistance</b></p>  <p>It has excellent chemical resistance because it does not have a polar group in the molecular structure.</p>	<p><b>Cost-effective</b></p>  <p>It is cost-effective because it is reusable.</p>	<p><b>Productivity</b></p>  <p>It is excellent in productivity because of its release mold characteristic. In addition, it is possible to reduce the occurrence of voids by our special production equipment.</p>

## Applications

Rubber Hose Mandrel, C-FRP Shaft Mandrel, etc.  
TPX<sup>®</sup> is a trademark of Mitsui Chemicals, Incorporated.

\*Quality specifications are determined by separate negotiations because quality requirements vary according to the conditions under which the products will be used.

**HOTTY POLYMER Co.,Ltd.**

Head Office 4-43-8, Higashimukojima, Sumida-ku, Tokyo, 131-0032, Japan  
Phone. +81-3-3614-4100 Fax. +81-3-3614-4162

Kuki Factory 1-8, Kiyoku-kogyodanchi, Kuki, Saitama, 346-0035, Japan  
Phone. +81-480-21-5645 Fax. +81-480-23-5663

<http://www.hotty.co.jp>