Super - tough PPS

EV Core Parts

Benefits

- High weld strength
- Thermal shock resistance
- Low gas during molding
- Low mold stain
- High design flexibility
- Thin-wall and light weight mold products
- Void-free and good surface products
- Mold maintenance reduction

Data sheet

<table>
<thead>
<tr>
<th>Test</th>
<th>Unit</th>
<th>Method</th>
<th>Tosoh Susteel® 1801-005</th>
<th>Tosoh Susteel® 1901-002</th>
<th>Competitive PPS</th>
<th>PA6T</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weld strength</td>
<td>MPa</td>
<td>ASTM D638</td>
<td>&gt;70</td>
<td>&gt;78</td>
<td>67</td>
<td>79</td>
</tr>
<tr>
<td>Thermal shock¹</td>
<td>Times</td>
<td>TOSOH</td>
<td>700</td>
<td>470</td>
<td>320</td>
<td>30</td>
</tr>
<tr>
<td>Gas emission²</td>
<td>ml/g</td>
<td>TOSOH</td>
<td>0.9</td>
<td>0.7</td>
<td>1.3</td>
<td>2.1</td>
</tr>
<tr>
<td>Stain²</td>
<td>%</td>
<td>TOSOH</td>
<td>0.02</td>
<td>0.02</td>
<td>0.05</td>
<td>0.11</td>
</tr>
</tbody>
</table>

1) -40℃×30min⇔150℃×30min  2) 350℃×30min

90 degC Hot Water

250 degC Air

85degC * 85%RH

All properties shown in this brochure are the typical values of the material. It is not guaranteed value. All properties can not guarantee qualities of your product.

Tosoh Corporation Polymers Division
Shiba-Koen First Bldg, 3-8-2, Shiba, Minato-Ku, Tokyo 105-8623, Japan
Phone: +81-3-5427-5147  Fax: +81-3-5427-5210  E-mail: info@tosoh.co.jp