NEOFLON PFA AP-221SH is fully fluorinated fluororesin with improved crack resistance while maintaining melt flowability.

Introduction
- AP-221SH is a copolymer of tetrafluoroethylene and perfluoroalkyl vinyl ether. It is PFA with its end groups completely fluorinated.
- Good melt flowability while maintaining excellent properties of PTFE. It can be used for melt molding as a thermoplastic resin. Transfer molding and extrusion molding are suitable.
- Excellent in stress crack resistance.
- Especially suitable for transfer molded products. It has been used for small size valve lining applications.
- Less eluted fluoride ions. Due to the fluorinated terminal group.
- Excellent chemical resistance which is not affected by most of the chemicals.
- It retains flexibility without losing toughness under the environment from cryogenic to high temperature.
- Excellent heat resistance. Continuous use temperature is 260 ℃.
- Low dielectric constant and dielectric loss tangent in a wide range of temperature and frequency.
- Nonflammable like POLYFLON PTFE and NEOFLON FEP.
- Excellent weather resistance. No properties change even when exposed outside for a long time.

General physical properties

<table>
<thead>
<tr>
<th>Item</th>
<th>Unit</th>
<th>Value</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFR</td>
<td>g/10min</td>
<td>7.2</td>
<td>372℃, 5kgf</td>
</tr>
<tr>
<td>Melting Point</td>
<td>℃</td>
<td>303</td>
<td>DSC</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>-</td>
<td>2.14</td>
<td>ASTM D 792 Compliant</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>MPa</td>
<td>32</td>
<td>ASTM D 1708 Compliant</td>
</tr>
<tr>
<td>Elongation</td>
<td>%</td>
<td>350</td>
<td>ASTM D 1708 Compliant</td>
</tr>
</tbody>
</table>

* The above values are representative values, not guaranteed values.

Handling method / Safety information
- Be sure to read the notes on SDS and labels before use.
- This product is intended for general industry, and therefore its adequacy and safety as a raw material for medical purposes cannot be guaranteed.
Packing specification
- 25Kg