NEOFLOMN PFA AP-201SH is a highly flowable and fully fluorinated resin. It is suitable for injection molding of complicated shape products and extrusion molding of thin wall electric wire.

Introduction
- **AP-201SH** is a copolymer of tetrafluoroethylene and perfluoroalkylvinylether.
- High purity PFA with terminal groups fully fluorinated.
- **Good melt flowability** while maintaining excellent properties of PTFE. It can be melt-molded as a thermoplastic resin by injection molding and extrusion molding.
- Suitable for injection molding of **complicated shaped products** and extrusion molding of thin-walled electric wires. It is used for small parts of a semiconductor.
- **Less 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.
- **Low dielectric constant and dielectric loss tangent** in a wide range of temperature and frequency.
- It shows high electrical resistance and dielectric strength.
- **Nonflammable** like POLYFLON PTFE and NEOFLON FEP.
- **Excellent weather resistance.** No properties change even when exposed outside for a long time.
- Non-stickiness. It shows excellent releasability and water repellency / oil repellency.

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>28</td>
<td>372°C、 5kgf</td>
</tr>
<tr>
<td>Melting Point</td>
<td>°C</td>
<td>304</td>
<td>DSC</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>-</td>
<td>2.15</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>402</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