Algoflon® D XPH 2530 1N
polytetrafluoroethylene

Algoflon® D XPH 2530_1N is a white aqueous PTFE dispersion and is produced without any intentional use or addition of PFOA. It is designed for impregnation processes and is particularly recommended for production of fabrics and laminates. Algoflon® D XPH 2530_1N exhibits excellent wetting properties, high shear stability and low foaming formation.

Main features of Algoflon® D XPH 2530_1N PTFE dispersion are:
- NO polyethoxylated alkylphenols
- Superior film building behavior
- Excellent surface finishing and gloss
- Very high shear stability

### General

**Material Status**
- Commercial: Active

**Availability**
- Asia Pacific
- Europe
- North America

**Features**
- Chemical Resistant
- High Heat Resistance
- Low Friction

**Uses**
- Coating Applications
- Impregnation Applications

**Appearance**
- White

**Forms**
- Latex

### Physical

<table>
<thead>
<tr>
<th>Property</th>
<th>Typical Value</th>
<th>Unit</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average Particle Size</td>
<td>&gt; 240 nm</td>
<td>Internal Method</td>
<td></td>
</tr>
<tr>
<td>Density</td>
<td>1.50</td>
<td>g/cm³</td>
<td>ASTM D4441</td>
</tr>
<tr>
<td>pH</td>
<td>&gt; 9.0</td>
<td></td>
<td>ASTM D4441</td>
</tr>
</tbody>
</table>

### Fill Analysis

<table>
<thead>
<tr>
<th>Property</th>
<th>Typical Value</th>
<th>Unit</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brookfield Viscosity - (20°)</td>
<td>21</td>
<td>mPa·s</td>
<td>ASTM D4441</td>
</tr>
</tbody>
</table>

### Additional Information

<table>
<thead>
<tr>
<th>Property</th>
<th>Typical Value</th>
<th>Unit</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non Ionic Surfactant - (on the mixture)</td>
<td>3.0</td>
<td>wt%</td>
<td>ASTM D4441</td>
</tr>
<tr>
<td>PTFE Content - (on the mixture)</td>
<td>60.0</td>
<td>wt%</td>
<td>ASTM D4441</td>
</tr>
</tbody>
</table>
Processing
- Algoflon® D XPH 2530 1N is processed according to methods generally used for conventional impregnation technology. Generally the procedure involves dip-coating and then heating to remove water and surfactant from the impregnated item. Depending on the application, sintering above the crystalline melting point of the coated resin may be carried out to obtain the finished coated articles. Multiple passes may be required to obtain the desired PTFE load and coating thickness.
- Algoflon® D XPH 2530 1N can be processed neat or appropriately formulated. Also, it can be used diluted using distilled or deionized water. Formulation, line speed and oven temperature must all be well controlled for optimized features of the coated substrates.

Storage and Handling
- Algoflon® D XPH 2530 1N dispersions must be stored under suitable temperature conditions to ensure prolonged stability. Temperatures lower than 5°C must be avoided to prevent irreversible settling. Also, some settling may occur on prolonged standing and/or heat exposure. It is therefore strongly recommended that the product is always kept at temperatures below 35°C. The optimum storage temperature range is 10-25°C. It is also advisable that the product is homogenized by gentle rolling or stirring once per month and prior to use.
- Prolonged exposure of the liquid to air could lead to some coagulation at the surface due to water evaporation. For this reason and also to avoid contamination, it is recommended to keep the containers closed when not in use.

Safety and Toxicology
- Before using Algoflon® D XPH 2530 1N dispersions consult the product Material Safety Data Sheet and follow all label directions and handling precautions.
- As with all PTFE materials, handling and processing should only be carried out in well ventilated areas. Venting units should be installed above processing equipment. Fumes must not be inhaled and eye and skin contact ought to be avoided. In case of skin contact wash with soap and water. In case of eye contact flush with water immediately and seek medical help. Do not smoke in areas contaminated with powder, vapor or fumes.
- See Safety Data Sheet for detailed advice on waste disposal methods.

Packaging
- Algoflon® D XPH 2530 1N is packaged in either 30 kg drums or 1500 kg IBC’s.

Additional Technical Information
- For Safety Data Sheet or additional technical information consult your Solvay Specialty Polymers sales representative, or contact us by e-mail.

Notes
Typical properties: these are not to be construed as specifications.
Safety Data Sheets (SDS) are available by emailing us or contacting your sales representative. Always consult the appropriate SDS before using any of our products.

Neither Solvay Specialty Polymers nor any of its affiliates makes any warranty, express or implied, including merchantability or fitness for use, or accepts any liability in connection with this product, related information or its use. Some applications of which Solvay’s products may be proposed to be used are regulated or restricted by applicable laws and regulations or by national or international standards and in some cases by Solvay’s recommendation, including applications of food/feed, water treatment, medical, pharmaceuticals, and personal care. Only products designated as part of the Solviva® family of biomaterials may be considered as candidates for use in implantable medical devices. The user alone must finally determine suitability of any information or products for any contemplated use in compliance with applicable law, the manner of use and whether any patents are infringed. The information and the products are for use by technically skilled persons at their own discretion and risk and does not relate to the use of this product in combination with any other substance or any other process. This is not a license under any patent or other proprietary right.

All trademarks and registered trademarks are property of the companies that comprise the Solvay Group or their respective owners.

© 2019 Solvay Specialty Polymers. All rights reserved.