Algoflon® L620
polytetrafluoroethylene

Algoflon® L620 is a white PTFE micronized powder produced from dispersion polymerization comprising loose agglomerates of sub-micron sized primary particles. Algoflon® L620 can be de-agglomerated to sub-micron particle size by the application of shear providing a better dispersion and distribution of the PTFE particles in the application. Algoflon® L620 is designed for use in high-end performance coatings and dry lubricants applications to improve non-stick properties, mar and abrasion resistance. Algoflon® L620 is also highly recommended as additive for lubricants with respect to any other solid additive.

Main features are:
• Improved abrasion, scratch and rub resistance
• Increased slip and surface lubricity
• Reduced blocking
• Better chemical resistance
• Increased temperature resistance
• Gloss retention
• Excellent dispersion ability

General
Material Status
• Commercial: Active

Availability
• Asia Pacific
• Europe
• North America

Uses
• Additive

Appearance
• White

Forms
• Powder

Physical

<table>
<thead>
<tr>
<th>Typical Value</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average Particle Size (1)</td>
<td>20 µm</td>
</tr>
<tr>
<td>Bulk Density</td>
<td>500 g/l</td>
</tr>
<tr>
<td>Specific Surface Area</td>
<td>&gt; 7.5 m²/g</td>
</tr>
</tbody>
</table>

Thermal

<table>
<thead>
<tr>
<th>Typical Value</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak Melting Temperature</td>
<td>315 to 325 °C</td>
</tr>
</tbody>
</table>

Additional Information

<table>
<thead>
<tr>
<th>Typical Value</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grind in Oil - NPIRI</td>
<td>1.50</td>
</tr>
</tbody>
</table>
Processing

- Algoflon® L620 is used as an additive in paints and coatings where improvements in non-stick, mar resistance, slip, chemical resistance, and moisture repelling characteristics are desired.

- Algoflon® L620 may be used independently as an additive or in combination with polyethylene waxes. The PTFE content at the surface layer is required in order to impart the properties of the PTFE to the host material.

Storage and Handling

- The usual precautions for safe storage and handling of Algoflon® L620 should be taken according to material safety documentation and experience. There will be no chemical deterioration of Algoflon® L620 micronized powders during proper storage.

- Shelf life of Algoflon® L620 micronized powders will vary depending upon whether the recommended storage conditions are maintained and whether the material remains free from foreign contamination during storage time (not exposed to dirt, dust, water or other chemicals). The material should remain sealed in the original containers and storage conditions should provide for protection from temperature extremes as well as rain, snow or other wet environments (or such conditions which may damage the storage containers in which the product is stored).

Safety and Toxicology

- Before using Algoflon® L PTFE micronized powders 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. Vapor extractor 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 Material Safety Data Sheet for detailed advice on waste disposal methods.

Packaging

- Algoflon® L620 is packaged in 25 kg non returnable drums. Each drum has one bag liner made of polyethylene resin.

Additional Technical Information

- For Material Safety Data Sheet or additional technical information, consult your Solvay sales representative or the website: www.solvay.com

Notes

Typical properties: these are not to be construed as specifications.

1 Laser Diffraction
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.

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