AGC

Environmentally Friendly Products

Fluon PTFE

AGC Chemicals
Chemistry for a Blue Planet
### Fluon® Coagulated Dispersion Polymers

<table>
<thead>
<tr>
<th>Grade</th>
<th>Polymer Type</th>
<th>SSG</th>
<th>Extraction Pressure (MPa)</th>
<th>Mean Particle Size (μm)</th>
<th>Reduction Ratio Range</th>
<th>Bulk Density (g/l)</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>FL160E</td>
<td>Trace Copolymer</td>
<td>2.15</td>
<td>26</td>
<td>550</td>
<td>300-700:1</td>
<td>480</td>
<td>Tubing + high performance hose</td>
</tr>
<tr>
<td>CD084E</td>
<td>Trace Copolymer</td>
<td>2.15</td>
<td>28</td>
<td>475</td>
<td>100-500:1</td>
<td>470</td>
<td>Tubing + high performance hose</td>
</tr>
<tr>
<td>CD084EH</td>
<td>Trace Copolymer</td>
<td>2.15</td>
<td>35</td>
<td>475</td>
<td>100-500:1</td>
<td>470</td>
<td>Tubing + high performance hose</td>
</tr>
<tr>
<td>CD090E</td>
<td>Trace Copolymer</td>
<td>2.19</td>
<td>35</td>
<td>600</td>
<td>400-600:1</td>
<td>500</td>
<td>Wire coating, small diameter transparent tubing</td>
</tr>
<tr>
<td>CD090E</td>
<td>Trace Copolymer</td>
<td>2.17</td>
<td>32</td>
<td>540</td>
<td>100-600:1</td>
<td>510</td>
<td>Wire coating, heat shrink tubing</td>
</tr>
<tr>
<td>CD122E</td>
<td>Homopolymer</td>
<td>2.16</td>
<td>50</td>
<td>500</td>
<td>15-100:1</td>
<td>545</td>
<td>Electrical tapes and fibres</td>
</tr>
<tr>
<td>CD123E</td>
<td>Homopolymer</td>
<td>2.14</td>
<td>43</td>
<td>510</td>
<td>15-100:1</td>
<td>545</td>
<td>Pipelines, electrical tape</td>
</tr>
<tr>
<td>CD127E</td>
<td>Homopolymer</td>
<td>2.18</td>
<td>35</td>
<td>510</td>
<td>25-400:1</td>
<td>545</td>
<td>Pipelines, electrical tape</td>
</tr>
<tr>
<td>CD141E</td>
<td>Homopolymer</td>
<td>2.18</td>
<td>30</td>
<td>550</td>
<td>25-700:1</td>
<td>570</td>
<td>General purpose tubing, anti-static additive, low density thread sealing tape</td>
</tr>
</tbody>
</table>

*Extraction pressure is measured in accordance with ISO 12086-2
Reduction ratio 1400:1 for Fluon® CD041E & CD090E
Reduction ratio 400:1 for all other Fluon® C0 grades

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### Fluon® Granular Polymers

<table>
<thead>
<tr>
<th>Grade</th>
<th>Polymer Type</th>
<th>Bulk Density (g/l)</th>
<th>Flow (s)</th>
<th>Mean Particle Size (μm)</th>
<th>Perforum Pressure (MPa)</th>
<th>Shrinkage (%)</th>
<th>Ultimate Tensile Strength (MPa)</th>
<th>Tensile Elongation to Break (%)</th>
<th>Electrical Breakdown Voltage (kV/mm)</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>G110</td>
<td>Fine milled</td>
<td>225</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Principally for blending with fibers</td>
</tr>
<tr>
<td>G155</td>
<td>Fine powder</td>
<td>400</td>
<td>-</td>
<td>45</td>
<td>16</td>
<td>5</td>
<td>37</td>
<td>400</td>
<td>80</td>
<td>Blending with fibers, general moulding</td>
</tr>
<tr>
<td>G163</td>
<td>Fine powder</td>
<td>325</td>
<td>-</td>
<td>37</td>
<td>16</td>
<td>5</td>
<td>40</td>
<td>380</td>
<td>90</td>
<td>Blending with fibers, billets for skived tape</td>
</tr>
<tr>
<td>G201</td>
<td>Pre-milled</td>
<td>650</td>
<td>45</td>
<td>600</td>
<td>Extraction only</td>
<td>12</td>
<td>22</td>
<td>330</td>
<td>50</td>
<td>Ram extrusion</td>
</tr>
<tr>
<td>G204</td>
<td>Pre-milled</td>
<td>575</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Principally as an additive, e.g. to coating systems, porous mouldings</td>
</tr>
</tbody>
</table>

Mean particle size measured by Sympatec® Laser Diffraction particle size analyser (except G201 which is measured by sieve analysis)

This brochure contains typical property data which should not be used for specification purposes. Please contact the AGC Chemicals Europe sales office for the latest information. (Fluon® is a trademark of Asahi Glass Company.)
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