

# Fluoroplex CG 35 - GMP

Polytetrafluoroethylene

UNIFLON

## Message:

Fluoroplex CG 35-GMP is a polytetrafluoroethylene (PTFE) product with a filler of 35% coke\graphite. It can be processed by sintering or injection molding and is available in North America or Latin America.

| General Information    |                                     |
|------------------------|-------------------------------------|
| Filler / Reinforcement | Coke\Graphite, 35% filler by weight |
| Features               | Good liquidity                      |
| Processing Method      | Sintering<br>Injection molding      |

| Physical                        | Nominal Value | Unit              | Test Method     |
|---------------------------------|---------------|-------------------|-----------------|
| Specific Gravity                | 1.99 - 2.07   | g/cm <sup>3</sup> | Internal method |
| Apparent Density                | 0.52 - 0.62   | g/cm <sup>3</sup> | Internal method |
| Particle size distribution-d50  | 468.0 - 728.0 | μm                | Internal method |
| Contractility-Sintering         | 0.80 - 1.8    | %                 | Internal method |
| Sintering Temperature - Maximum | 365           | °C                |                 |
| Flow time-50 grams              | 3.0 - 4.0     | sec               | Internal method |

| Hardness                     | Nominal Value | Unit | Test Method     |
|------------------------------|---------------|------|-----------------|
| Durometer Hardness (Shore D) | 65 - 72       |      | Internal method |

| Elastomers                 | Nominal Value | Unit | Test Method     |
|----------------------------|---------------|------|-----------------|
| Tensile Strength           | 12.0          | MPa  | Internal method |
| Tensile Elongation (Break) | 14            | %    | Internal method |

| Additional Information | Nominal Value | Unit | Test Method |
|------------------------|---------------|------|-------------|
| Code: 010003002        |               |      |             |

| Injection          | Nominal Value | Unit |
|--------------------|---------------|------|
| Mold Temperature   | 21.0 - 25.0   | °C   |
| Injection Pressure | 63.7 - 73.5   | MPa  |

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## Recommended distributors for this material

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