

# CAPROWAX P™ 6002-00-000 Granulat

Biodegradable Polymers

POLYFEA

Message:

CAPROWAX P™ 6002-00-000 Granulat is a Biodegradable Polymers (Biodeg Polymers) product filled with 72% carbon powder. It can be processed by injection molding and is available in Europe. Applications of CAPROWAX P™ 6002-00-000 Granulat include agricultural, containers, eco-friendly/green products, engineering/industrial parts and household applications.

Characteristics include:

Eco-Friendly/Green

Crystalline

Good Flexibility

| General Information                        |                                    |           |             |
|--|------------------------------------|-----------|-------------|
| Filler / Reinforcement                     | Carbon Powder,72% Filler by Weight |           |             |
| Features                                   | Biodegradable                      |           |             |
|  | Compostable                        |           |             |
|  | Crystalline                        |           |             |
|  | Low Temperature Flexibility        |           |             |
|  | Renewable Resource Content         |           |             |
| Uses                                       | Agricultural Applications          |           |             |
|  | Buttons                            |           |             |
|  | Compostable Products               |           |             |
|  | Containers                         |           |             |
|  | Cups                               |           |             |
|  | Lawn and Garden Equipment          |           |             |
|  | Thin-walled Parts                  |           |             |
| Appearance                                 | Opaque                             |           |             |
|  | Translucent                        |           |             |
| Forms                                      | Granules                           |           |             |
| Processing Method                          | Injection Molding                  |           |             |
| Physical                                   | Nominal Value                      | Unit      | Test Method |
| Density                                    | 1.05 to 1.15                       | g/cm³     | ISO 1183    |
| Melt Volume-Flow Rate (MVR) (90°C/2.16 kg) | 4.00 to 12.0                       | cm³/10min | ISO 1133    |
| Hardness                                   | Nominal Value                      | Unit      | Test Method |
| Shore Hardness (Shore D)                   | 54                                 |           | ISO 868     |
| Thermal                                    | Nominal Value                      | Unit      | Test Method |
| Vicat Softening Temperature                | 56.0                               | °C        | ISO 306/A50 |
| Additional Information                     | Nominal Value                      | Unit      | Test Method |

| Softening Range        | 56 to 59      | °C   | DSC |
|------------------------|---------------|------|-----|
| Injection              | Nominal Value | Unit |     |
| Drying Temperature     | 48.0 to 50.0  | °C   |     |
| Nozzle Temperature     | 120 to 140    | °C   |     |
| Processing (Melt) Temp | 130 to 150    | °C   |     |
| Mold Temperature       | 10.0 to 25.0  | °C   |     |

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