

NEFTEKHIM PP 3839P

Polypropylene Homopolymer

Nizhnekamskneftekhim Inc.

Message:

Product obtained by polymerization of propylene in presence of complex organic metal catalysts.
It incorporates increased long-term thermal stability, thermaloxidative degradation resistance when PP is produced, processed and PP-made articles are exploited, effective nucleation, UV tolerance, improved antistatic and slipping properties to produce articles.
Application: garden furniture, molded technical articles, nonfood containers.
Technical requirements: TU 2211-136-05766801-2006

| General Information | | | |
|---|---------------------------|-------------------|-------------|
| Additive | Antistatic | | |
| | Nucleating Agent | | |
| | Slip | | |
| Features | Antistatic | | |
| | Good Thermal Stability | | |
| | Good UV Resistance | | |
| | Homopolymer | | |
| | Nucleated | | |
| | Oxidation Resistant | | |
| | Slip | | |
| Uses | Containers | | |
| | Engineering Parts | | |
| | Lawn and Garden Equipment | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.900 | g/cm ³ | |
| Apparent Density | 0.48 to 0.52 | g/cm ³ | |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 17 to 23 | g/10 min | ASTM D1238 |
| Ash Content | 0.025 to 0.050 | % | |
| Thermal Creep Temperature ¹ | 90 to 96 | °C | |
| Thermal-oxidative Deterioration (150°C) | 15.0 | day | |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (R-Scale) | 82 to 95 | | |
| Mechanical | Nominal Value | Unit | Test Method |
| Flexural Modulus | 2200 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |

| | | | |
|--|-----------------------------------|------|-----------|
| Notched Izod Impact (23°C) | 25 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | |
| Vicat Softening Temperature ² | 150 to 154 | °C | |
| NOTE | | | |
| 1. | at load 0.46 H/mm ² | | |
| 2. | in liquid medium under force 10 H | | |

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