# NEFTEKHIM PP 4270G

Polypropylene Copolymer

Nizhnekamskneftekhim Inc.

## Message:

Product obtained by copolymerization of propylene and ethylene in presence of complex metalorganic catalysts.
It incorporates increased long-term thermal stability, thermal-oxidative degradation resistance when PP is produced, processed and PP-made articles are exploited.
Application: extrusion and blow molding.
Technical requirements: TU 2211-136-05766801-2006

| General Information | |
|---|---|
| Features | Copolymer<br>Good Thermal Stability<br>Oxidation Resistant |
| Forms | Pellets |
| Processing Method | Blow Molding<br>Extrusion |

| Physical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Density | 0.900 | g/cm³ | |
| Apparent Density | 0.48 to 0.60 | g/cm³ | |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 1.5 to 2.0 | g/10 min | ASTM D1238 |
| Ash Content | 0.025 to 0.050 | % | |
| Thermal Creep Temperature [1] | 70 to 80 | °C | |
| Thermal-oxidative Deterioration (150°C) | 15.0 | day | |
| **Hardness** | **Nominal Value** | **Unit** | **Test Method** |
| Rockwell Hardness (R-Scale) | 75 to 82 | | |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Strength (Yield) | 26.0 | MPa | ASTM D638 |
| Tensile Elongation (Yield) | 11 | % | ASTM D638 |
| Flexural Modulus | 900 | MPa | ASTM D790 |
| **Impact** | **Nominal Value** | **Unit** | **Test Method** |
| Notched Izod Impact (23°C) | 90 | J/m | ASTM D256 |
| **Thermal** | **Nominal Value** | **Unit** | |
| Vicat Softening Temperature [2] | 130 to 138 | °C | |

| NOTE | |
|---|---|
| 1. | at load 0.46 H/mm² |
| 2. | in liquid medium under force 10 H |

infringement occurs, please contact us immediately.

Recommended distributors for this material

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