# NEFTEKHIM PP 1421J (T38CA)

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. Durable antistatic and slipping
properties for film.
Application: biaxial oriented uni- and multilayer film.
Technical requirements: TU 2211-136-05766801-2006

| General Information | | | |
|---|---|---|---|
| Additive | Antistatic<br>Slip | | |
| Features | Antistatic<br>Good Thermal Stability<br>Homopolymer<br>Oxidation Resistant<br>Slip | | |
| Uses | Bi-axially Oriented Film<br>Film<br>Multilayer Film | | |
| Forms | Pellets | | |
| Processing Method | Film Extrusion | | |
| **Physical** | **Nominal Value** | **Unit** | **Test Method** |
| Density | 0.900 | g/cm³ | |
| Apparent Density | 0.48 to 0.52 | g/cm³ | |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 2.9 to 3.2 | g/10 min | ASTM D1238 |
| Ash Content | 0.025 to 0.050 | % | |
| Gel Content [1] | | | |
| > 200.0 µm | 300 | pcs/m² | |
| 0.700 to 1.50 mm | 3.00 | pcs/m² | |
| 1.50 to 2.50 mm | 0.00 | pcs/m² | |
| > 2.50 mm | 0.00 | pcs/m² | |
| Thermal Creep Temperature [2] | 90 to 96 | °C | |
| Thermal-oxidative Deterioration (150°C) | 20.8 | day | |
| **Hardness** | **Nominal Value** | **Unit** | **Test Method** |
| Rockwell Hardness (R-Scale) | 82 to 95 | | |

| Mechanical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Tensile Strength (Yield) | 34.0 | MPa | ASTM D638 |
| Tensile Elongation (Yield) | 10 | % | ASTM D638 |
| Flexural Modulus | 1300 | MPa | ASTM D790 |
| **Thermal** | **Nominal Value** | **Unit** | |
| Vicat Softening Temperature [3] | 150 to 154 | °C | |
| **NOTE** | | | |
| 1. | p.4.8 TU 2211-136-05766801-2006 | | |
| 2. | at load 0.46 H/mm$^2$ | | |
| 3. | in liquid medium under force 10 H | | |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

## Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

WECHAT