

NEFTEKHIM PE 6948C (486H3)

High Density Polyethylene
Nizhnekamskneftekhim Inc.

Message:

Product obtained by gas phase polymerization of ethylene in presence of complex metalorganic catalysts.
Stabilization recipe: antacid, antioxidant, thermostabilizer, processing aid, dispersing agent..
Application: basic component for PE 100 class pressure pipes.
Technical requirements: TU 2211-145-05766801-2008

| General Information | | | |
|--|---------------------|-------------------|-------------|
| Additive | Acid Neutralizer | | |
| | Antioxidant | | |
| | Heat Stabilizer | | |
| | Processing Aid | | |
| Features | Acid Resistant | | |
| | Antioxidant | | |
| | Dispersible | | |
| | Good Processability | | |
| | Heat Stabilized | | |
| Uses | Piping | | |
| Agency Ratings | PPI PE-100 | | |
| Forms | Pellets | | |
| Processing Method | Pipe Extrusion | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.946 to 0.950 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/5.0 kg) | 0.25 to 0.40 | g/10 min | ASTM D1238 |
| Environmental Stress-Cracking Resistance | > 1000 | hr | ASTM D1693 |
| Melt Flow Ratio - MFR 21.6 kg/MFR 5.0 kg | < 18.0 | | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Flexural Modulus | 1000 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 400 | J/m | ASTM D256 |

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