

# Kazan HDPE 271-274K

High Density Polyethylene

Kazanorgsintez Joint Stock Company

## Message:

GOST / TU: TU 2243-167-00203335-2006

This product grade is intended for cables' insulation, sheath and serving, produced in white color pellets.

| General Information                       |                           |                   |
|---|---------------------------|-------------------|
| Uses                                      | Cable Jacketing           |                   |
|   | Wire & Cable Applications |                   |
| Appearance                                | White                     |                   |
| Forms                                     | Pellets                   |                   |
| Physical                                  | Nominal Value             | Unit              |
| Density                                   | 0.950 to 0.955            | g/cm <sup>3</sup> |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 0.30 to 0.65              | g/10 min          |
| Environmental Stress-Cracking Resistance  | > 500                     | hr                |
| Ash Content                               | 0.050 to 0.075            | %                 |
| Impurities                                | 3.00 to 15.0              | count/g           |
| Tear Strength                             | 21.6                      | MPa               |
| Thermal-oxidative Deterioration           | > 8.0                     | hr                |
| Volatiles                                 | 0.10 to 0.15              | %                 |
| Mechanical                                | Nominal Value             | Unit              |
| Tensile Stress (Yield)                    | > 22.6                    | MPa               |
| Tensile Strain (Break)                    | > 700                     | %                 |
| Electrical                                | Nominal Value             | Unit              |
| Electric Strength <sup>1</sup> (1.00 mm)  | > 35                      | kV/mm             |
| Relative Permittivity (1 MHz)             | 2.40                      |                   |
| NOTE                                      |                           |                   |
| 1.  | 50 Hz                     |                   |

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## 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



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