

BASF Novolen® 2440 K Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

Material Notes:

Data was collected by ISO methods and provided by BASF.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Novolen-2440-K-Polypropylene.php

| Physical Properties | Metric | English | Comments |
|------------------------------------|--------------------------------------|--------------------------------------|----------|
| Density | 0.910 g/cc | 0.0329 lb/in ³ | |
| Water Absorption | 0.10 % | 0.10 % | |
| Moisture Absorption at Equilibrium | 0.10 % | 0.10 % | |
| Linear Mold Shrinkage, Flow | 0.013 cm/cm | 0.013 in/in | |
| Melt Flow | 4.7 g/10 min | 4.7 g/10 min | |
| | @Load 2.16 kg, Temperature 230 °C | @Load 4.76 lb, Temperature 446 °F | |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|-------------------------|----------------------------|----------|
| Tensile Strength, Yield | 25.0 MPa | 3630 psi | |
| Elongation at Break | >= 50 % | >= 50 % | |
| Elongation at Yield | 8.0 % | 8.0 % | |
| Tensile Modulus | 1.25 GPa | 181 ksi | |
| Charpy Impact Unnotched | NB | NB | |
| | 14.0 J/cm ² | 66.6 ft-lb/in ² | |
| | @Temperature -30.0 °C | @Temperature -22.0 °F | |
| Charpy Impact, Notched | 1.60 J/cm ² | 7.61 ft-lb/in ² | |
| | 0.450 J/cm ² | 2.14 ft-lb/in ² | |
| | @Temperature -30.0 °C | @Temperature -22.0 °F | |

| Thermal Properties | Metric | English | Comments |
|-------------------------------|----------------------|----------------------|----------|
| CTE, linear, Parallel to Flow | 150 µm/m-°C | 83.3 µin/in-°F | |
| | @Temperature 20.0 °C | @Temperature 68.0 °F | |
| Melting Point | 163 °C | 325 °F | |

| Thermal Properties | Metric | English | Comments |
|---|---------|---------|----------|
| Deflection Temperature at 0.46 MPa (107 psi) | 80.0 °C | 176 °F | |
| Deflection Temperature at 1.8 MPa (264 psi) | 52.0 °C | 126 °F | |
| Vicat Softening Point | 65.0 °C | 149 °F | |

| Electrical Properties | Metric | English | Comments |
|----------------------------|--------------------|--------------------|----------|
| Electrical Resistivity | >= 1.00e+15 ohm-cm | >= 1.00e+15 ohm-cm | |
| Surface Resistance | 1.00e+14 ohm | 1.00e+14 ohm | |
| Dielectric Constant | 2.3 | 2.3 | |
| | @Frequency 1e+6 Hz | @Frequency 1e+6 Hz | |
| Dielectric Strength | 140 kV/mm | 3560 kV/in | |
| Dissipation Factor | 0.000070 | 0.000070 | |
| | @Frequency 100 Hz | @Frequency 100 Hz | |
| | 0.00020 | 0.00020 | |
| | @Frequency 1e+6 Hz | @Frequency 1e+6 Hz | |
| Comparative Tracking Index | 600 V | 600 V | |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China