# Luranyl® KR 2403 G6 TW 26343

Polyphenylene Ether + PS

ROMIRA GmbH

## Message:

Luranyl®KR 2403 G6 TW 26343 is a polyphenylene ether + PS (PPE + PS) material, and its filler is 30% glass fiber reinforced material. This product is available in Europe, and the processing method is injection molding.
Luranyl®The main features of KR 2403 G6 TW 26343 are:
flame retardant/rated flame
High stiffness
Heat resistance
Luranyl®Typical application areas of KR 2403 G6 TW 26343 are: water pipes/pipes/drinking water

| General Information | | | |
|---|---|---|---|
| Filler / Reinforcement | Glass fiber reinforced material, 30% filler by weight | | |
| Features | Rigidity, high<br>Heat resistance, high | | |
| Agency Ratings | ACS not rated<br>KTW not rated<br>WRAS not rated | | |
| Appearance | Black | | |
| Processing Method | Injection molding | | |
| **Physical** | **Nominal Value** | **Unit** | **Test Method** |
| Density (23°C) | 1.28 | g/cm³ | ISO 1183 |
| Melt Volume-Flow Rate (MVR) (250°C/21.6 kg) | 13.0 | cm³/10min | ISO 1133 |
| Molding Shrinkage (23°C, 3.20 mm) | 0.20 - 0.40 | % | ISO 294-4 |
| Water Absorption (23°C, 24 hr) | < 0.10 | % | ISO 62 |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Modulus (23°C) | 9700 | MPa | ISO 527-2/1 |
| Tensile Stress (23°C) | 148 | MPa | ISO 527-2/5 |
| Tensile Strain (Break, 23°C) | 3.0 | % | ISO 527-2/5 |
| Flexural Stress [1] (23°C) | 190 | MPa | ISO 178 |
| **Impact** | **Nominal Value** | **Unit** | **Test Method** |
| Charpy Notched Impact Strength | | | ISO 179/1eA |
| -30°C | 10 | kJ/m² | ISO 179/1eA |
| 23°C | 10 | kJ/m² | ISO 179/1eA |
| Charpy Unnotched Impact Strength | | | ISO 179/1eU |
| -30°C | 30 | kJ/m² | ISO 179/1eU |
| 23°C | 30 | kJ/m² | ISO 179/1eU |
| **Thermal** | **Nominal Value** | **Unit** | **Test Method** |

| | | | |
|---|---|---|---|
| Vicat Softening Temperature | 142 | °C | ISO 306/B50 |
| CLTE - Flow (23 to 80°C) | 3.0E-5 - 4.0E-5 | cm/cm/°C | ISO 11359-2 |
| Thermal Conductivity | 0.23 | W/m/K | DIN 52612 |
| Flammability | Nominal Value | | Test Method |
| Flame Rating (1.5 mm) | HB | | UL 94 |
| NOTE | | | |
| 1. | 2.0 mm/min | | |



## Recommended distributors for this material

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