







Dexnyl® R-PEEK 143G

Technical Data Sheet

Dexnyl© R-PEEK 143G is a melt-filtered and re-granulated PEEK. It has a Tg of 289°F (143°C).

This is a high-quality post-industrial grade without any noticeable changes in color or viscosity. Recycling of High-Performance Polymers reduces the carbon footprint of finished PEEK parts. Our Dexnyl© R-PEEK 143G provides a sustainable and economical alternative to virgin PEEK.

This Polymer is excellently suited for high strength and high temperature injection molded as well as extruded shapes.

Dexnyl© R-PEEK 143G is successfully used by experienced compounders and converters over a wide range of industrial applications.

| Physical Properties | Standard | Unit | Value |
|----------------------------|----------------|----------|------------------|
| MFI (380IC/5kg) | ASTM D1238 | g/10 min | 7 - 10 |
| Density at 23°C | ASTM D792 | g/cm³ | 1,30 |
| Breaking Strength | ASTM D638 | MPa | 90 |
| Elongation | ASTM D638 | % | 30 |
| Tensile Modulus | ASTM D638 | MPa | 3400 |
| Charpy Impact Strength | ASTM 256 | kJ/m2 | 7 C |
| Service Temperature | | | |
| Constantly | ASTM D648 | °C | 260 |
| Short Term (0,46MPa) | | °C | 315 |
| Flammability | UL 94/IEC60695 | | V-0 |
| Surface Resistivity | IEC 60093 | Ohm | 10 ¹⁴ |



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The specified values are established from average values of several tests and they correspond to our today's knowledge. They are only to be used as information about our products and as help for the material selection. With these values, we do not ensure specific properties, or the suitability for certain application. No warranty, representation, guarantee or legally binding product description is provided by publishing this informational data. For information about divergent properties do not hesitate to contact us. On request we advise you regarding the most appropriate component design and the definition of material specifications more suitable to your application data. Notwithstanding, the customer bears all the responsibility for the thorough examination of suitability, efficiency, efficacy and safety of the chosen products in pharmaceutical applications, medical devices or other end uses. Status: June 2019

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