# Data Sheet
# Dexnyl® R-PEEK natural 450G - 51

Dexnyl® R-PEEK is excellently suited for high strength and high temperature molded parts in the injection molding and extrusion process used in the aerospace, automotive, electrical / electronics, engineering and marine, medical and chemical industries.

| 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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