

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/cm ³	1,30
Breaking Strength	ASTM D638	MPa	90
Elongation	ASTM D638	%	30
Tensile Modulus	ASTM D638	MPa	3400
Charpy Impact Strength	ASTM 256	kJ/m ²	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