

Data Sheet

Dexnyl® R-PEEK 450 Granul.

Dexnyl® R-PEEK 450 Granul. is a melt-filtered and re-granulated PEEK which contains different grades similar to and including 450 of several well-known PEEK producers. The viscosity does also not differ.

This Polymer is excellently suited for high strength and high temperature molded parts in the injection molding and extrusion process used in the automotive, electrical / electronics, engineering and marine 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/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