

PEEK iPEEK® i550PF

Test Item	Test Method	Conditions	Units	Test Data
Mechanical Data				
Tensile Strength	ISO 527	Yield, 23°C	MPa	100
Tensile Elongation	ISO 527	Break, 23°C	%	25
Flexural Strength	ISO 178	Yield , 23°C	MPa	160
Flexural Modulus	ISO 178	23°C	GPa	4.1
Izod Impact Strength	ISO 180/A	Notched	kJ m ⁻²	5.5
	ISO 180/U	Unnotched	kJ m ⁻²	-
Mould Shrinkage	ISO 294-4	Along Flow	%	1
		Across Flow	%	1.3
Thermal Data				
Melting Point	ISO 11357	-	°C	343
Glass Transition (Tg)	ISO 11357	Onset	°C	143
Flow				
Melt Index	ISO 1133	380°C,5kg	g 10min ⁻¹	20
Miscellaneous				
Density	ISO 1183	Crystalline	g cm ⁻³	1.3
Volume Density	ISO 1183	-	g cm ⁻³	0.3
Average Particle Size (D50)	ISO 13320-1	-	µm	50,75

*Result based on similar products