

VICTREX CT™ 200



Product Description

High performance thermoplastic PAEK polymer micro-granules for injection and compression moulding and extrusion. Suitable for dynamic sealing applications at very low temperatures. Colour green.

MATERIAL PROPERTIES				
	CONDITIONS	TEST METHOD	UNITS	TYPICAL VALUE
Mechanical Data				
Tensile Strength	At yield, 23°C	ISO 527	MPa	75
	-196°C			140
Tensile Elongation	At break, 23°C	ISO 527	%	40
	-196°C			4
Flexural Strength	At yield, 23°C	ISO 178	MPa	130
	-196°C			360
Flexural Modulus	23°C	ISO 178	GPa	3.3
	-196°C			5.0
Compressive Strength	-196°C	ISO 604	MPa	250
Compressive Modulus	-196°C	ISO 604	GPa	5.4
Thermal Data				
Coefficient of Thermal Expansion	Average, 23°C	ISO 11359	ppm K ⁻¹	58
	Average, -165°C	DIN 51909		65
Thermal Conductivity	Average, 23°C	ISO 22007-4	W m ⁻¹ K ⁻¹	0.25
	Average, -165°C			0.15
Miscellaneous				
Density	Crystalline	ISO 1183	g cm ⁻³	1.40
Shore D Hardness	23°C	ISO 868		80

Important note:

1. Data are generated in accordance with prevailing national, international and internal standards, and should be used for material comparison. Actual property values are highly dependent on part geometry, mould configuration and processing conditions. Properties may also differ for along flow and across flow directions.
2. **This is a provisional version of the datasheet** for VICTREX CT™ 200 and is applicable as of 7th October 2019. The properties of this material as recorded in this datasheet may be subject to change by Victrex in the future

Detailed data available on our website www.victrex.com or upon request.

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