

Data Sheet

Dexnyl® PEEK Filamente T-190 - 13

Type Type	190	Polymer Polymer	PEEK (Polyetheretherketon)
Nenntiter / Filamentanzahl Linear density / filament count	1230 f 72	Aufmachung Package type	ZKG
Drehung Twist	T0	Hülsenfarbe Tube color	rosa / pink
Los Nummer Lot number	L 491	Etikettenfarbe label color	violett-weiß / purple-white
		Garnfarbe Color of yarn	natur / nature
		Flammhemmend flame retardant	nein / no
		Haftungsaktiviert adhesive activated	nein / no

Merkmal property	Ref.	Einheit unit	Messmethode *1 test method	Spezifikationsbereich *2 spec-limits		
Titer linear density		dtex	DIN EN ISO 2060	1.240,0	±	50,0
Höchstzugkraft breaking load		cN	DIN EN ISO 2062	7.100,0	±	500,0
Feinheitsfestigkeit tenacity		cN/tex	DIN EN ISO 2062	57,0	±	5,0
Höchstzugkraftdehnung elongation at break		%	DIN EN ISO 2062	21,0	±	4,0
Bezugsdehnung [cN/tex] elongation at cN/tex		%	DIN EN ISO 2062	9,0	±	2,5
Heißluftschumpf [°C, 15 Min.] hot air shrinkage [°C, 15 Min.]		%	DIN EN 14621:2005	0,0	±	0,0

Bemerkung / Remarks

*1 Die DIN Methoden wurden an spezielle Produkteigenschaften angepaßt. / The test methods were adapted to specific product properties.

*2 Die angegebenen Werte sind Losmittelwerte. Die Toleranzen beziehen sich auf +/- 3s Werte einer Normalverteilung von > 50 Einzelspulen.
The average values are lot averages. The limits are +/- 3s values based on more than 50 single samples.

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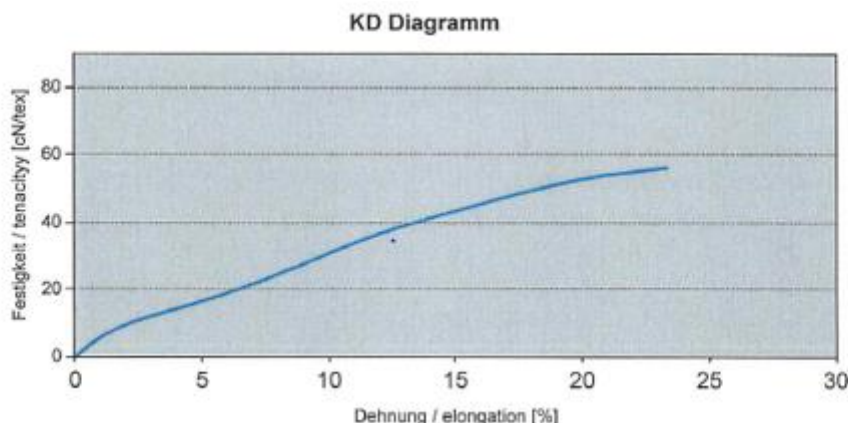
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The specified values are established from average values of several tests and they correspond to our today's knowledge. They are only to be used as information about our products and as help for the material selection. With these values, we do not ensure specific properties, or the suitability for certain application, therefore we do not assume any legal responsibility for an improper usage. The used test pieces have been machined from extruded semi-finished material. Since the plastics' properties depend on the manufacturing process (extrusion, injection moulding), on the dimensions of the semi finished material and on the degree of crystallinity, the actual properties of a specific product may slightly deviate from the tested ones. For information about divergent properties do not hesitate to contact us. On request we advise you regarding the most appropriate component design and the definition of material specifications more suitable to your application data. Notwithstanding, the customer bears all the responsibility for the thorough examination of suitability, efficiency, efficacy and safety of the chosen products in pharmaceutical applications, medical devices or other end uses. Status: February 2017

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Eigenschaft : Property	Maßeinheit unit	Meßmethode method	Meßergebnisse results		
			x	s	n
Titer [effektiv] linear density	dtex	DIN EN ISO 2060	1253,0	-	1
Höchstzugkraft breaking load	cN	DIN EN ISO 2062	6783,8	-	1
Feinheitsfestigkeit tenacity	cN/tex	DIN EN ISO 2062	54,1	-	1
Höchstzugkraftdehnung elongation at break	%	DIN EN ISO 2062	18,4	-	1
Bezugsdehnung 1 (cN/tex) 32 elongation at cN/tex	%	DIN EN ISO 2062	9,4	-	1
Heißluftschumpf [180°C, 15 Min.] hot air shrinkage [180°C, 15 Min.]	%	DIN EN 14621:2005	1,8	-	1
Präparationsauftrag amount of finish	%	DIN 54278, Teil 1	1,29	-	1

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