

## Dexnyl® PEEK SF GF30\_3

## Technical Datasheet

Item	Test Standard or Instrument	Unit	Dexnyl® PEEK + 30% Glass fiber Semi-finished
Color	-		Natural or Black
Density	ISO 1183	g/cm <sup>3</sup>	1.5±0.01
Water Abs. (25°C.24Hrs)	ISO 62	%	0.11
Mould shrinking percentage	3mm,170°C, Flow direction	%	0.4
	Perpendicular to flow direction	%	0.8
Melting point	DSC	°C	343
Distortion temperature	ASTM D648	°C	315
Continuous using temperature	UL 74685	°C	260
Coefficient of thermal expansion	ASTM D696	10 <sup>-5</sup> /°C	2.2
Tensile strength(23°C)	ISO527-2/1B/50	Mpa	155
Tensile elongation(23°C)	ISO527-2/1B/50	%	2
Bending strength(23°C)	ISO 178	Mpa	212
Compressive strength(23°C)	ASTM D695	Mpa	215
Lzod impact strength( no gap)	ISO 180/U	KJm <sup>-2</sup>	51
Rockwell hardness	ASTM D785		103
Flammable level	UL 94	V-0@mm	1.5
Dielectric strength	IEC 248	KV/mm	1.9
Dielectric constant	IEC 250		3.3
Surface resistivity		Ω	10 <sup>15</sup> Ω
Friction coefficient		μ	0.38-0.46