

## TECHNICAL DATA SHEET NYPEEK PEEK M

ISSUED : APRIL 2024

PROVISIONAL: REV. 01

PROPERTY	STANDARD	UNIT	VALUE
<b>PHYSICAL CHARACTERISTICS</b>			
Density	ISO 1183	g/cm <sup>3</sup>	1.3
Melting Temperature	ISO 11357	° C	343 ± 2
Melt Viscosity 400°C	ISO 11443	Pa.s	350
Water absorption 23°C./24H	ISO 62	%	0.07
Mold shrinkage in flow direction in transverse direction	ISO 294	%	/
<b>MECHANICAL CHARACTERISTICS</b>			
Stress at Yeald	ISO 527-1/2	MPa	100
Strain at Yield	ISO 527-1/2	%	45
Strain at Break	ISO 527-1/2	%	/
Tensile Modulus	ISO 527-1/2	GPa	3.7
Flexural Strength at conventional deformation 3.5%	ISO 178/1A	MPa	165
Flexural Modulus	ISO 178/1A	GPa	4.1
Charpy Notched Impact Strength + 23°C	ISO 179/1eA	KJ/m <sup>2</sup>	7
Charpy Impact Strength + 23°C	ISO 179/1eU	KJ/m <sup>2</sup>	NB
<b>THERMAL CHARACTERISTICS</b>			
Temperature of Deflection under Load 1.8 Mpa 0.45 MPa	ISO 75	° C	152
Vicat Softening Temperature 50N	ISO 306	° C	/
<b>OTHER CHARACTERISTICS</b>			
Flammability UL94	IEC 60695	1.6 mm 3.2 mm	VO

### NOTE / DISCLAIMER

\* In water because of slight plasticizer migration. N = no break, P = partial break, C = complete break

This above mentioned technical data are simply indicative for users and they are given without any guarantee. They are not to be considered as specifications. Any modification/additivation of the material after the supplying can involve variation of the values or the technical characteristics. The values are calculated on injection moulded samples.