

DYNAMIDE® CF

Carbon Fiber Reinforced Polyamide

MECHANICAL PROPERTIES	TEST METHOD	X-Y AXIS	Z AXIS
Tensile Strength	ASTM D638	105 MPa	66 MPa
Young's Modulus	ASTM D638	7500 MPa	4290 MPa
Flexural Strength	ASTM D790	165 MPa	
Flexural Modulus	ASTM D790	8300 MPa	
Charpy Impact Strength	ASTM D256	12,5 (Kj/m2)	
Tensile Elongation at Break(%)	ASTM D638	3	3

PHYSICAL PROPERTIES	TEST METHOD	VALUE
Melting Temperature	DCS, 10 °C/min	219 °C
Crystallization Temperature	DCS, 10 °C/min	185 °C
Heat Deflection Temperature	ISO 75 1.8 MPa	195 °C
Heat Deflection Temperature	ISO 75 0.45 MPa	214 °C
Glass Transition Temperature	DCS, 10 °C/min	55 °C
Density	ASTM D792	1.17 (g/cm3)

Dynamide® is trademark of LOOP3D. All information supplied by or on behalf of LOOP 3D in relation to its products, whether in the nature of data, recommendations or otherwise, is supported by research and, in good faith, believed reliable, but LOOP 3D assumes no liability and makes no warranties of any kind, express or implied, including, but not limited to, those of title, merchantability, fitness for a particular purpose or non-infringement or any warranty arising from a course of dealing, usage, or trade practice whatsoever in respect of application, processing or use made of the aforementioned information, or product. All of the above mentioned might be a subject to change in the future. The user assumes all responsibility for the use of all information provided and shall verify quality and other properties or any consequences from the use of all such information. Typical values are indicative only and are not to be construed as being binding specifications.