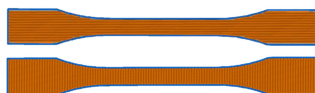


Novamid® ID 1030-CF10

PA6/66

3D printing grade, 10% Carbon Reinforced

Print Date: 2018-10-23



Upper figure: Flat X-X Direction
Lower figure: Flat Y-X Direction

Properties	Typical Data	Unit	Test Method
Mechanical properties	Value		
Tensile modulus (3D printed: flat X-X direction)	7630	MPa	ISO 527-1/-2
Stress at yield (3D printed: flat X-X direction)	110	MPa	ISO 527-1/-2
Strain at yield (3D printed: flat X-X direction)	2.5	%	ISO 527-1/-2
Stress at break (3D printed: flat X-X direction)	110	MPa	ISO 527-1/-2
Strain at break (3D printed: flat X-X direction)	2.2	%	ISO 527-1/-2
Tensile modulus (3D printed: flat Y-X direction)	2720	MPa	ISO 527-1/-2
Stress at yield (3D printed: flat Y-X direction)	63	MPa	ISO 527-1/-2
Strain at yield (3D printed: flat Y-X direction)	3	%	ISO 527-1/-2
Stress at break (3D printed: flat Y-X direction)	58	MPa	ISO 527-1/-2
Strain at break (3D printed: flat Y-X direction)	4.5	%	ISO 527-1/-2
Thermal properties	dry / cond		
Melting temperature (10°C/min)	200 / *	°C	ISO 11357-1/-3
Glass transition temperature (10°C/min)	58 / *	°C	ISO 11357-1/-2
Temp. of deflection under load (1.80 MPa)	153 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	184 / *	°C	ISO 75-1/-2
Other properties	dry / cond		
Density	1170 / -	kg/m ³	ISO 1183

Akulon®, Arnite®, Arnitel®, EcoPaXX®, ForTii®, Novamid®, Stanyl® and Xytron™ are trademarks of DSM.

All information supplied by or on behalf of DSM 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 DSM 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. 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. This document replaces all previous versions relating to this subject.

Copyright © DSM 2018. All rights reserved. No part of the information may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of DSM.