

# Novamid® ID 1070

Polyamide  
DSM Engineering Plastics

Message:

Novamid® ID 1070 is a polyamide material. This product is available in North America, Europe or Asia Pacific region. The processing method is: 3d printing, fused filament fabrication (fff). Novamid®The main characteristics of ID 1070 are: copolymer.

General Information			
Features	Copolymer		
Processing Method	3D Printing, Fused Filament Fabrication (FFF)		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm³	ISO 1183
Water Absorption			ISO 62
Saturated, 23°C	9.5	%	ISO 62
Equilibrium, 23°C, 50% RH	2.5	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2
3D Printed <sup>1</sup>	2120	MPa	ISO 527-2
3D Printed <sup>2</sup>	1710	MPa	ISO 527-2
Tensile Stress			ISO 527-2
3D Printed <sup>3</sup>	45.0	MPa	ISO 527-2
3D Printed <sup>4</sup>	50.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Fracture, 3D Printed <sup>5</sup>	7.2	%	ISO 527-2
Fracture, 3D Printed <sup>6</sup>	15	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Melting Temperature <sup>7</sup>	220	°C	ISO 11357-3
Additional Information			

The mechanical data is tested on printed tensile bars, printed in two directions: 0°-90° and 45°-45°

NOTE	
1.	45°-45°
2.	0°-90°
3.	0°-90°
4.	45°-45°
5.	0°-90°
6.	45°-45°
7.	10°C/min

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Recommended distributors for this material

## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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