

Novamid® 1020

Polyamide 6

DSM Engineering Plastics

Message:

Novamid® 1020 is a Polyamide 6 (Nylon 6) material. It is available in Asia Pacific for extrusion. Primary attribute of Novamid® 1020: Flame Rated.

General Information			
Processing Method		Extrusion	
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	2.8	%	ISO 62
Viscosity Number	183	cm³/g	ISO 307
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2700	MPa	ISO 527-2
Tensile Stress (Yield)	81.0	MPa	ISO 527-2
Tensile Strain (Yield)	4.2	%	ISO 527-2
Nominal Tensile Strain at Break	> 50	%	ISO 527-2
Flexural Modulus	2600	MPa	ISO 178
Flexural Stress	107	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.6	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	62.0	°C	ISO 75-2/A
Melting Temperature ¹	220	°C	ISO 11357-3
Flammability	Nominal Value		Test Method
Flammability Classification (0.800 mm)	V-2		IEC 60695-11-10, -20
NOTE			
1.	10°C/min		

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Recommended distributors for this material

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