

Novamid[®] 1010C2S

PA6

Improved Impact, Injection Molding, Low Viscosity, Lubricated, Nucleated

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Improved impact strength by modification of the polymer. Lubricated and nucleated for easy molding and mold release.

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
MECHANICAL PROPERTIES			
	DRY / COND		
Tensile modulus	2500 / –	MPa	ISO 527-1/-2
Yield stress	62 / 37	MPa	ISO 527-1/-2
Yield strain	4.3 / –	%	ISO 527-1/-2
Nominal strain at break	12 / –	%	ISO 527-1/-2
Stress at break	50 / –	MPa	ISO 527-1/-2
Strain at break	13 / >50	%	ISO 527-1/-2
Flexural modulus	2350 / 980	MPa	ISO 178
Flexural strength	95 / 48	MPa	ISO 178
Charpy impact strength (+23°C)	N / N	kJ/m ²	ISO 179/1eU
Charpy impact strength (-30°C)	280 / 280	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	8 / 20	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (-30°C)	5 / 5	kJ/m ²	ISO 179/1eA
OTHER PROPERTIES			
	DRY / COND		
Density	1120 / –	kg/m ³	ISO 1183

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