

Novamid[®] 1010C2S

PA6

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

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