

Novamid[®] ES110C

PA6

Easy Molding Grade

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES			
	DRY / COND		
Molding shrinkage [parallel]	1.1 / *	%	Sim. to ISO 294-4
Molding shrinkage [normal]	1.3 / *	%	Sim. to ISO 294-4
MECHANICAL PROPERTIES			
	DRY / COND		
Tensile modulus	3300 / –	MPa	ISO 527-1/-2
Yield stress	84 / –	MPa	ISO 527-1/-2
Nominal strain at break	18 / –	%	ISO 527-1/-2
Flexural modulus	2800 / –	MPa	ISO 178
Flexural strength	114 / –	MPa	ISO 178
Charpy impact strength (+23°C)	N / –	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	4.1 / –	kJ/m²	ISO 179/1eA
THERMAL PROPERTIES			
	DRY / COND		
Melting temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	76 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	173 / *	°C	ISO 75-1/-2
Burning Behav. at 1.5 mm nom. thickn.	V-2 / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	IEC 60695-11-10
Burning Behav. at 3.0 mm nom. thickn.	V-2 / *	class	IEC 60695-11-10
Thickness tested	3 / *	mm	IEC 60695-11-10
OTHER PROPERTIES			
	DRY / COND		
Humidity absorption	2.8 / *	%	Sim. to ISO 62

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
Density	1130 / –	kg/m³	ISO 1183
MATERIAL SPECIFIC PROPERTIES			
Viscosity number	118 / *	cm³/g	ISO 307, 1157, 1628

Viscosity–shear rate

