

Novamid® ES110C

PA6

Easy Molding Grade

Print Date: 2018-12-13

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/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	4.1 / -	kJ/m ²	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	0.81 / *	mm	IEC 60695-11-10
Burning Behav. at thickness h	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/m ³	ISO 1183
Material specific properties		dry / cond	
Viscosity number	118 / *	cm ³ /g	ISO 307, 1157, 1628

Viscosity-shear rate

