Novamid®

Novamid® 3010N 5-SL4-3X NAT

PA66 FR

Flame Retardant

Print Date: 2018-12-13

Properties	Typical Data	Unit	Test Method
Rheological properties	dry / cond		
Molding shrinkage (parallel)	1.3 / *	%	ISO 294-4
Molding shrinkage (normal)	1.5 / *	%	ISO 294-4
Mechanical properties	dry / cond		
Tensile modulus	3100 / 2000	MPa	ISO 527-1/-2
Yield stress	80 / -	MPa	ISO 527-1/-2
Nominal strain at break	3.2 / -	%	ISO 527-1/-2
Flexural modulus	3500 / 2000	MPa	ISO 178
Flexural strength	133 / 64	MPa	ISO 178
Charpy impact strength (+23°C)	123 / N	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	3 / 7	kJ/m²	ISO 179/1eA
Thermal properties	dry / cond		
Melting temperature (10°C/min)	260 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	80 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	0.7 / *	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	0.6 / *	E-4/°C	ISO 11359-1/-2
Burning Behav. at 1.5 mm nom. thickn.	V-0 / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	IEC 60695-11-10
Burning Behav. at thickness h	V-0 / *	class	IEC 60695-11-10
Thickness tested	0.38 / *	mm	IEC 60695-11-10

Property Data

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Properties	Typical Data	Unit	Test Method
Humidity absorption	2.4 / *	%	Sim. to ISO 62
Density	1160 / -	kg/m³	ISO 1183