HiDura™ ThermaPlus 24XLR8 NT0823

PA66 Ascend

Product Texts

HiDura ThermaPlus 24XLR8 NT0823 is a heat stabilized PA66 product designed for injection molding applications that is designed to maintain mechanical properties after extended exposure to temperatures up to 160 C.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
[C] Molding shrinkage, parallel	**1.8 / ***	%	ISO 294-4, 2577
[C] Molding shrinkage, normal	**1.9 / ***	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**2600 / 1000**	MPa	ISO 527
[C] Charpy impact strength, +23°C	**N / N**	kJ/m²	ISO 179/1eU
[C] Charpy impact strength, -30°C	**N / N**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**6.6 / 26**	kJ/m²	ISO 179/1eA
[C] Charpy notched impact strength, -30°C	**6.5 / 7.4**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Melting temperature, 10°C/min	**260 / ***	°C	ISO 11357-1/-3
[C] Temp. of deflection under load, 1.80 MPa	**61 / ***	°C	ISO 75-1/-2
[C] Temp. of deflection under load, 0.45 MPa	**186 / ***	°C	ISO 75-1/-2
[C] Coeff. of linear therm. expansion, parallel	**102 / ***	E-6/K	ISO 11359-1/-2
[C] Coeff. of linear therm. expansion, normal	**124 / ***	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Electric strength	**29 / 27**	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
[C] Water absorption	**1.9 / ***	%	Sim. to ISO 62
[C] Humidity absorption	**2.5 / ***	%	Sim. to ISO 62
[C] Density	**1140 / -**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing
Injection Molding

Special Characteristics
Heat stabilized or stable to heat

Delivery form
Pellets, Natural Color

Regional Availability
North America, Europe, Asia Pacific

Additives
Lubricants