

Product Texts

Polyamide 6, heat-aging stabilized, halogen and red phosphorus free flame retardant, for injection moulding

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	1.0 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.9 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	3400 / 1200	MPa	ISO 527
^[C] Yield stress	80 / 40	MPa	ISO 527
^[C] Yield strain	3.5 / 28	%	ISO 527
Flexural modulus, 23°C	2800 / 1000	MPa	ISO 178
Flexural strength	120 / 60	MPa	ISO 178
^[C] Charpy impact strength, +23°C	65 / N	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	3 / 10	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	2.5 / -	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	221 / *	°C	ISO 11357-1/-3
^[C] Temp. of deflection under load, 1.80 MPa	70 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	180 / *	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	205 / *	°C	ISO 306
^[C] Burning Behav. at 1.5 mm nom. thickn.	V-0 / *	class	IEC 60695-11-10
Yellow Card available	yes / *	-	-

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Volume resistivity	>1E13 / -	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	* / 1E14	Ohm	IEC 62631-3-2
^[C] Comparative tracking index	600 / -	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Density	1160 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Special Characteristics

Flame retardant, Halogen-free, Phosphorus-free, Heat stabilized or stable to heat