Zytel® LC7201 BK195

PA*... Celanese

Product Texts

Zytel® LC7201 BK195 is a toughened long chain polyamide resin developed for extrusion with enhanced chemical resistance.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
[C] Spec. heat capacity of melt	**2700**	J/(kg K)	-

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**1100 / 900**	MPa	ISO 527
[C] Yield stress	**30 / 25**	MPa	ISO 527
[C] Yield strain	**5.7 / 7.5**	%	ISO 527
[C] Nominal strain at break	**>50 / >50**	%	ISO 527
[C] Charpy impact strength, +23°C	**160 / 160**	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	**100 / 110**	kJ/m²	ISO 179/1eA
[C] Charpy notched impact strength, -30°C	**90 / 80**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Melting temperature, 10°C/min	**218 / ***	°C	ISO 11357-1/-3
[C] Glass transition temperature, 10°C/min	**60 / ***	°C	ISO 11357-1/-2
[C] Temp. of deflection under load, 1.80 MPa	**46 / ***	°C	ISO 75-1/-2
[C] Coeff. of linear therm. expansion, parallel	**220 / ***	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Volume resistivity	**>1E13 / -**	Ohm*m	IEC 62631-3-1
[C] Surface resistivity	*** / >1E15**	Ohm	IEC 62631-3-2
[C] Electric strength	**34 / -**	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
[C] Water absorption	**1.1 / ***	%	Sim. to ISO 62
[C] Humidity absorption	**0.9 / ***	%	Sim. to ISO 62
[C] Density	**1000 / -**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing
Profile Extrusion

Delivery form
Pellets

Special Characteristics
Heat stabilized or stable to heat

Chemical Resistance
General Chemical Resistance

Regional Availability
North America, Europe, Asia Pacific, South and Central America

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