



CELCON® NX-20

CELCON®

A special polymer modified wear-resistance grade for general injection molding. A complex wear-resistance grade, designed for applications requiring reduced wear, low friction and low noise.

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Resin Identification Part Marking Code	POM >POM<		ISO 1043 ISO 11469
Rheological properties			
Melt mass-flow rate Melt mass-flow rate, Temperature Melt mass-flow rate, Load	190 2.16	kg	ISO 1133
Moulding shrinkage, parallel	2.1	%	ISO 294-4, 2577
Typical mechanical properties			
Tensile stress at yield, 50mm/min Tensile strain at yield, 50mm/min Nominal strain at break Flexural modulus Flexural strength Charpy notched impact strength, 23°C	8 20 2400 75		ISO 527-1/-2 ISO 527-1/-2 ISO 527-1/-2 ISO 178 ISO 178 ISO 179/1eA
Thermal properties			
Melting temperature, 10 ° C/min Temperature of deflection under load, 1.8 MPa Coefficient of linear thermal expansion (CLTE), parallel Electrical properties	165 90 130		ISO 11357-1/-3 ISO 75-1/-2 ISO 11359-1/-2
Volume resistivity Surface resistivity	1E12 1E16	Ohm.m Ohm	IEC 62631-3-1 IEC 62631-3-2
Physical/Other properties			
Humidity absorption, 2mm Density	0.2 1380	% kg/m³	Sim. to ISO 62 ISO 1183
Injection			
Drying Recommended Drying Temperature Drying Time, Dehumidified Dryer Processing Moisture Content Melt Temperature Optimum Min. melt temperature Max. melt temperature Screw tangential speed	no 100 3 - 4 ≤0.2 195 180 210 ≤0.3	h % °C °C °C	

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70 °C

60 °C 80 °C

Revised: 2025-01-23 Source: Celanese Materials Database

Mold Temperature Optimum

Min. mould temperature

Max. mould temperature





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Hold pressure range 60 - 120 MPa

Characteristics

Processing Injection Moulding

Delivery form Pellets

Special characteristics Low wear / Low friction

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