

CELCON[®] M90LF

Standard melt flow, lubrication free

Celcon® acetal copolymer grade M90LF is a medium viscosity polymer providing optimum performance in general purpose injection molding and extrusion of thin walled tubing and thin gauge film. Preliminary Data Sheet

Rheological properties

Melt volume-flow rate Temperature Load	8 cm³/10min 190 °C 2.16 kg	ISO 1133
Moulding shrinkage, parallel Moulding shrinkage, normal	2.0 % 1.9 %	ISO 294-4, 2577 ISO 294-4, 2577
Typical mechanical properties		
Tensile Modulus Yield stress, 50mm/min Yield strain, 50mm/min Charpy notched impact strength, 23°C	2800 MPa 66 MPa 9 % 6 kJ/m ²	ISO 527-1/-2 ISO 527-1/-2 ISO 527-1/-2 ISO 179/1eA
Thermal properties		
Melting temperature, 10°C/min Temp. of deflection under load, 1.8 MPa Coeff. of linear therm. expansion, parallel Coeff. of linear therm. expansion, normal	167 °C 101 °C 120 E-6/K 120 E-6/K	ISO 11357-1/-3 ISO 75-1/-2 ISO 11359-1/-2 ISO 11359-1/-2
Other properties		
Density	1410 kg/m ³	ISO 1183
Injection		
Drying Temperature10Drying Time, Dehumidified Dryer10Melt Temperature Optimum8Max. mould temperature8Back pressure8	0 - 120 °C 3 - 4 h 174 °C 0 - 120 °C 1 MPa nedium	Internal

Processing Texts

Pre-drying

Drying is not normally required. If material has come in contact with moisture through improper storage or handling or through regrind use, drying may be necessary to prevent splay and odor problems.



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