



# CELCON® F10-01 T2

### **CELCON®**

CELCON® F10-01 T2 is a high-viscosity grade for extrusion of round bars, sheets and tubes Suitable for uses requiring high productivity without micro porosity for large diameter rods and plates.

Product information			
Resin Identification	POM		ISO 1043
Part Marking Code	>POM<		ISO 11469
Rheological properties			
Melt mass-flow rate		g/10min	ISO 1133
Melt mass-flow rate, Temperature	190		
Melt mass-flow rate, Load Moulding shrinkage, parallel	2.16 2.0	-	ISO 294-4, 2577
woulding simmage, parallel	2.0	70	100 204 4, 2011
Typical mechanical properties			
Tensile stress at yield, 50mm/min		MPa	ISO 527-1/-2
Tensile strain at yield, 50mm/min	10		ISO 527-1/-2
Nominal strain at break Flexural modulus	30 2200		ISO 527-1/-2 ISO 178
Flexural strength		MPa	ISO 178
Charpy notched impact strength, 23°C		kJ/m²	ISO 179/1eA
Thermal properties			
Melting temperature, 10°C/min	165	°C	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa		°C	ISO 75-1/-2
Coefficient of linear thermal expansion		E-6/K	ISO 11359-1/-2
(CLTE), parallel			
Flammability			
Burning Behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3	mm	IEC 60695-11-10
Electrical properties			
Electric strength	19	kV/mm	IEC 60243-1
Discosi and /Other are are not in a			
Physical/Other properties			
Humidity absorption, 2mm	0.2		Sim. to ISO 62 ISO 1183
Density	1410	kg/m³	150 1163
Injection			
Drying Recommended	no		
Drying Temperature	100		
Drying Time, Dehumidified Dryer	3 - 4		
Processing Moisture Content Melt Temperature Optimum	≤0.2 195		
Min. melt temperature	180		
Max. melt temperature	210		
Screw tangential speed	≤0.3	m/s	

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Mold Temperature Optimum70 °CMin. mould temperature60 °CMax. mould temperature80 °CHold pressure range60 - 120 MPa

#### Characteristics

Processing Injection Moulding, Extrusion, Other Extrusion

Delivery form Pellets

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