



Technical Datasheet: POM M90

Product Description:

Celcon acetal copolymer grade M90 is a medium viscosity polymer providing optimum performance in general purpose injection molding and extrusion of thin walled tubing and thin gauge film. This grade provides overall excellent performance in many applications.

Applications:

- Film
- General Purpose
- Tubing

Typical data:

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
Density -Specific Gravity	ASTM D 792	Sp gr 23/23°C	1.41
Melt Mass-Flow Rate (MFR)	ASTM D 1238	g/10 min	9.0
Mold Shrink, Linear-flow	ASTM D955	In/in	0.022
Mold Shrink, Linear-Trans	ASTM D955	In/in	0.018
Water Absorption Sat/23°C	ISO 62	%	0.75
Water Absorption 23C/50RH	ISO 62	%	0.20
Tensile Modulus ²	ISO527-1, -2	psi	400000
Tensile Strength @			
Yield		Psi	13700
(-40 °F)	ASTM D638	Psi	8800
(73 °F)		Psi	5000
(160 °F)			
Tensile Stress at Yield ³	ISO 527-1, -2	Psi	9570
Tensile Strain at Yield ³	ISO 527-1, -2	%	10
Flexural Modulus (73 °F)	ISO 178	psi	370000
Notched Izod Impact Strength (73 °F) ⁴	ISO 180	Ft-lb/in ²	2.71
DTUL @264psi-Unannealed	ASTM D 648	°F	230
Melting Point		°F	329
Volume Resistivity	ASTM D527	Ohm-cm	1.0E+14

* Typical values not to be construed as specifications.