

## Technical Datasheet FM 090

**1) Product Description:**

FM090 is a standard flow Polyoxymethylene.

**2) Applications:**

Buttons, electronic parts, automotive parts, household, bearing.

**3) Typical data:**

Property	Test method	Unit	value
Specific Gravity	ASTM D 792	g/cm <sup>3</sup>	1.41
Melt Mass- Flow Rate(MFR) (230°C/2.16kg)	ASTM D 1238	g/10 min	9.0
Molding Shrinkage	ASTM D955		
Flow:3.00 mm		%	1.0
Across Flow: 3.00mm		%	2.2
Water Absorption(Equilibrim,23°C,69%RH)	ASTM D570	%	0.22
Tensile Strength (Yield)	ASTM D638	MPa	60.8
Tensile Elongation (Yield)	ASTM D638	%	60
Flexural Modulus	ASTM D 790	MPa	2550
Flexural Strength	ASTM D790	MPa	93.2
Compressive Strength	ASTM D 638		
1% Strain		Mpa	31.4
10% Strain		MPa	108
Notched Izod Impact (23 °C)	ASTM D 256	kJ/m <sup>3</sup>	6.4
Rockwell Hardness (M- Scale)	ASTM D 785	-	80
Vicat softening Temperature	ASTM D 1525	°C	162

\* Typical values not to be construed as specifications.