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Technical Data for M-FLON15GL (15% Glass filled PTFE)

Property	Unit	Test Method	Specification
1. Physical Properties			
Density	gm / cc	ASTM D 792	2.2- 2.3
Water Absorption	%	ASTM D 570	0.15%
2. Mechanical Properties			
Tensile Strength	Kgf/Cm ²	ASTM D638	180-260
% Elongation	%	ASTM D 638	225-325
Compressive Strength	Kgf/Cm ²	ASTMD 695	65-75
Hardness	shore D	ASTM D 2240/785	58-65
I. Coefficient of friction			
A. Dynamic P-7Kg/Cm ² V=0.5 M/S	%	ASTMD 1894	31 to 37%
B. Static P - 35Kg/Cm ²	%		1 to 12%
II. Deformation under load			
A. 2Hrs. @23°C 113kG/ Cm ²	%	ASTM D621	10
B. 24Hrs. @23°C 113kG/ Cm ²	%		12
C. Permanent	%		7.5
A. 2Hrs. @150°C 113kG/ Cm ²	%		52
3. Thermal Properties			
Impact Strength	J/cm	ASTM D256	1.2 to 1.3
Heat Resistance at amt. Pressure (Continuous service temp)	° C		(-250 to +260)
Thermal conductivity	10-4 cal cm S °C		A/R
A. 30 - 150°C	%	ASTM D 696	1.5/ 1
B. 30 - 200°C	%	ASTM D 696	2.3 / 1.8
C. 30 - 250°C	%	ASTM D 696	3.3/2.2
4. Electrical Properties			
Dielectrical strength	Kv / mm	ASTM D149	15 to 16
5. Dimensional Stability			
Length	%	ASTM D 1710	1.5-3
Diameter	%	ASTM D 1710	0.5-1
Permeability	%	ASTM D 543	0.01 Max
Dissolution	%	ASTM D 543	0.01 Max

* Note: The following readings have been given without any kind of responsibility taken, expected or implied.