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### Technical Data for M-FLON25CA (25% Carbon filled PTFE)

Property	Unit	Test Method	Specification
<b>1. Physical Properties</b>			
Density	gm / cc	ASTM D 792	2.05-2.15
Water Absorption	%	ASTM D 570	0
<b>2. Mechanical Properties</b>			
Tensile Strength	Kgf/Cm <sup>2</sup>	ASTM D638	125-200
% Elongation	%	ASTM D 638	80-150
Compressive Strength	Kgf/Cm <sup>2</sup>	ASTMD 695	75-85
Hardness	shore D	ASTM D 2240/785	60-67
<b>I. Coefficient of friction</b>			
A. Dynamic P-7Kg/Cm <sup>2</sup> V=0.5 M/S	%	ASTMD 1894	12-17%
B. Static P - 35Kg/Cm <sup>2</sup>	%		9-11%
<b>II. Deformation under load</b>			
A. 2Hrs. @23°C 113kG/ Cm <sup>2</sup>	%	ASTM D621	5
B. 24Hrs. @23°C 113kG/ Cm <sup>2</sup>	%		7
C. Permanent	%		3.5
A. 2Hrs. @150°C 113kG/ Cm <sup>2</sup>	%		35
<b>3. Thermal Properties</b>			
Impact Strength	J/cm	ASTM D256	0.7-0.8
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	1.2/1
B. 30 - 200°C	%	ASTM D 696	1.9/1.5
C. 30 - 250°C	%	ASTM D 696	2.7/2.4
<b>4. Electrical Properties</b>			
Dielectrical strength	Kv / mm	ASTM D149	1 to 2
<b>5. Dimensional Stability</b>			
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.