

## PTFE GlasMoS2 55 Shore D grey

Polytetrafluorethylene

Material Code: 08016

### PHYSICAL - MECHANICAL

Typical Properties	Unit	Method	Data-Moulded
Density	g/cm <sup>3</sup>	ASTM D792	2,20 - 2,30
Hardness - Shore D	/	ASTM D2240	≥ 55
Tensile Strength - CD	N/mm <sup>2</sup>	ISO 12086 ISO 527	≥ 15
Elongation at break - CD	%	ISO 12086 ISO 527	≥ 230
Compressive strength at 1% deformation - CD	N/mm <sup>2</sup>	ASTM D695	≥ 8
Deformation under load at room temperature 24 hours at 13,7 N/mm <sup>2</sup> - CD	%	ASTM D621	≤ 8
Permanent deformation as above after releasing of 24 hours at room temperature - CD	%	ASTM D621	≤ 4

### TRIBOLOGICAL

Typical Properties	Unit	Method	Data-Moulded
Dynamic coefficient of friction	/	ASTM D1894 ASTM D3702	0,08 - 0,18
Wear factor K	/	ASTM D3702	0,015 - 0,021

### THERMAL

Typical Properties	Unit	Method	Data-Moulded
Service Temperature ( min - max )	°C	/	- 200 / + 260
Coefficient of Linear Expansion ( 25° - 100°C )	10 <sup>-5</sup> (mm/mm)/ °C	Similar to ASTM D696	9 - 12

CD - Cross Direction