



Material Data Sheet

PLMFLON-4

General Information

Compared with PLMFLON-1, PLMFLON-4 (PTFE + 25% carbon) exhibits good mechanical strength, stiffness, hardness, and sliding properties.

Physical properties

Colour :			Black
Hardness :	DIN EN ISO 868 (3 sec)	Shore D	64 +/-3
Density :	DIN EN ISO 1183-1	g/cm ³	2.12+/-0.05
Tensile strength :	ISO 527-2	N/mm ²	≥22
Elongation at break	ISO 527-1	%	≥210
Min.service temperature:	ISO 11357-2	°C	-200
Max.service temperature:	ISO 11357-2	°C	260

Remark

All test methods and values mentioned above are corresponding to ISO or DIN standards. The properties have been determined on standardized test specimen and can not be directly related to any component or finished item. All tests are made under laboratory conditions. The mentioned values are nominal values and must be fulfilled – considering related tolerances – for each material batch.

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