



General purpose dry bearing material for bushing and sliding pads for mechanical applications in general. Slide ways for machine tools.

High wear and abrasion resistance, good compressive properties. Suitable for the majority of dry bearing applications against hard counter-surfaces. Good electrical insulating properties.

### PRODUCTS

Moulded tubes  
Moulded rods  
Moulded sheets  
Extruded tubes  
Extruded rods  
Skived tapes  
Machined parts  
Piston rings  
Bearing tapes

### APPLICATIONS

Compressors  
Pumps  
Wear bands  
Automotive  
Insulators  
Linear Slides

## TECHNICAL DATA SHEET TEKSLIDE® G471

Properties	Unit	Method	Moulded
<b>PHYSICAL - MECHANICAL</b>			
Density	g/cm <sup>3</sup>	ASTM D792	2,20 - 2,30
Hardness - Shore D	/	ASTM D2240	≥ 60
Tensile strength CD	N/mm <sup>2</sup>	ASTM D4745	≥ 14
Elongation at break CD	%	ASTM D4745	≥ 170
Compressive strength at 1% deformation	N/mm <sup>2</sup>	ASTM D695	≥ 8
Deformation under load at room temperature 24hours at 13,7 N/mm <sup>2</sup>	%	ASTM D621	≤ 9
Permanent deformation as above after releasing of 24 hours at room temperature	%	ASTM D621	≤ 4
Dynamic Coefficient of friction ( PV = 0,7 N/mm <sup>2</sup> •m/s)	/	ASTM D3702	0,05 - 0,20
Wear factor ( PV = 0,7 N/mm <sup>2</sup> •m/s)	µm/h•N/mm <sup>2</sup> •m•min	ASTM D3702	0,010 - 0,020
<b>THERMAL</b>			
Service Temperature (min-max)	°C	/	- 200 / + 260
Thermal expansion coefficient (linear) 25 - 100°C	10 <sup>-5</sup> /°C	ASTM D696	9 - 11