ADVANCED INDUSTRIAL

HIGH PERFORMANCE PLASTIC SHAPES // PRECISION CNC MACHINED COMPONENTS

TEKSLIDE G461

The lowest coefficient of friction in dry applications. Suitable for the machining of bearings and other sliding parts for the food industry or for any other use in contact with soft materials such as aluminium, copper alloys, inox steel, polymeric substrates, etc. Very good wear resistance, compression resis tance, high flexibility and tensile st rength, excellent insulating properties. It can be used in contact with food products.

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

APPLICATIONS
Air Compressors
Wear bands
Automotive
Insulators
Linear Slides
Mechanical textile

TECHNICAL DATA SHEET TEKSLIDE® G461

Properties	Unit	Method	Moulded
PHYSICAL - MECHANICAL			
Density	g/cm^3	ASTM D792	1,85 - 2,05
Hardness - Shore D	/	ASTM D2240	≥ 55
Tensile strength CD	N/mm^2	ASTM D4745	≥ 15
Elongation at break	%	ASTM D4745	≥ 250
Compressive strength at 1% deformation	N/mm^2	ASTM D695	≥ 6
Deformation under load at room temperature 24hours at 13,7 N/mm^2	%	ASTM D621	≤ 8
Permanent deformaton as above after releasing of 24 hours at room temeperature	%	ASTM D621	≤ 6
Dynamic Coefficient of friction (PV = 0,7 N/mm^2•m/s)	/	ASTM D3702	0,10 - 0,20
Wear factor (PV = 0,7 N/mm^2 •m/s)	µm/h•N/mm^2•m•min	ASTM D3702	0,010 - 0,020
THERMAL			
Service Temperature (min-max)	°C	/	- 200 / + 260
Thermal expansion coefficient (linear) 25 - 100°C	10^5/°C	ASTM D696	9 - 11