

# LUVOCOM® 70-9046

Polyketone

LEHVOSS Group

## Message:

LUVOCOM® 70-9046 is a Polyketone (PK) material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific.

LUVOCOM® The main features of 70-9046 are:

sterilizable

chemical resistance

Wear-resistant

Lubrication

LUVOCOM® The typical application fields of 70-9046 are: engineering/industrial accessories

General Information			
Additive	PTFE lubricant		
Features	Low friction coefficient		
	Good chemical resistance		
	Good wear resistance		
	Lubrication		
	Disinfect with steam		
Uses	Gear		
	Cam		
	Bearing		
Appearance	Natural color		
Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm <sup>3</sup>	ISO 1183
Melt Volume-Flow Rate (MVR) (250°C/5.0 kg)	5.00	cm <sup>3</sup> /10min	ISO 1133
Molding Shrinkage	1.6 - 2.2	%	DIN 16901
Water Absorption (23°C, 24 hr)	0.15	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1400	MPa	ISO 527-2
Tensile Stress (Break)	50.0	MPa	ISO 527-2
Tensile Strain (Yield)	40	%	ISO 527-2
Flexural Modulus	1200	MPa	ISO 178
Flexural Stress	65.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	22	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	72	kJ/m <sup>2</sup>	ISO 179/1fU
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (1.8 MPa, Unannealed)	100	°C	ISO 75-2/A
Continuous Use Temperature	90.0	°C	UL 746B
Maximum operating temperature-Short Term	120	°C	
Insulation Resistance	> 1.0E+11	ohms	IEC 60167
Vicat Softening Temperature	200	°C	ISO 306/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+11	ohms	IEC 60093
Injection	Nominal Value	Unit	
Drying Temperature			
Hot air dryer	120	°C	
Hot air dryer, B	80	°C	
Drying Time			
Hot air dryer	1.0 - 4.0	hr	
Hot air dryer, B	2.0 - 6.0	hr	
Rear Temperature	230 - 250	°C	
Middle Temperature	230 - 260	°C	
Front Temperature	240 - 260	°C	
Nozzle Temperature	250 - 265	°C	
Processing (Melt) Temp	245	°C	
Mold Temperature	60 - 100	°C	
Injection instructions			

#### General

In general LUVOCOM® can be processed on conventional injection moulding machines while observing the usual technical guidelines.

Any added fibrous materials or fillers may have an abrasive effect. In this case the cylinder and screw should be protected against wear as is usual in the processing of reinforced thermoplastic materials.

Lengthy dwell times for the melts in the cylinder should be avoided.

Lower the temperatures during interruptions!

Predrying (optional)

It is advisable to predry the granulate with a suitable dryer immediately before processing.

The granulate may absorb moisture from the air.

Delivery Form & Storage

Unless indicated otherwise, the material is delivered as 3mm-long pellets in sealed bags on pallets.

Preferably storage should be effected in dry and normally temperatured rooms

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT