LUVOCOM® 70-9113/BK

Polyketone

LEHVOSS Group

Message:

LUVOCOM®70-9113/BK 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 70-9113/BK are:
chemical resistance
Wear-resistant
Lubrication
LUVOCOM®The typical application fields of 70-9113/BK are: engineering/industrial accessories

General Information	
Additive	PTFE lubricant
Features	Low friction coefficient Good liquidity Good chemical resistance Good wear resistance Lubrication
Uses	Gear Cam Bearing
Appearance	Black

Physical	Nominal Value	Unit	Test Method
Density	1.28	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (250°C/2.16 kg)	30.0	cm³/10min	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	2000	MPa	ISO 527-2
Tensile Stress (Break)	57.0	MPa	ISO 527-2
Tensile Strain (Yield)	18	%	ISO 527-2
Flexural Modulus	1500	MPa	ISO 178
Flexural Stress	68.0	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	82	kJ/m²	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+12	ohms	IEC 60167
Vicat Softening Temperature	200	°C	ISO 306/A
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	> 1.0E+12	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

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


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