

## Lehmann & Voss LUVOCOM<sup>®</sup> 1850-8197 PBT, lubricant modified, easy flowing, demolding aid

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT)

### Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Improved friction and wear behaviour. Emergency running property. Parts for electric and electronic industry. Coil formers, duty parts in plugs and switches, even combined with metal inserts. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lehmann-Voss-LUVOCOM-1850-8197-PBT-lubricant-modified-easy-flowing-demolding-aid.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1850-8197-PBT-lubricant-modified-easy-flowing-demolding-aid.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.32 g/cc	1.32 g/cc	ISO 1183
Water Absorption	<= 0.15 %	<= 0.15 %	23 <sup>°</sup> C/24h
Linear Mold Shrinkage	0.015 - 0.022 cm/cm	0.015 - 0.022 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	50.0 MPa	7250 psi	
Elongation at Yield	4.0 %	4.0 %	
	6.0 %	6.0 %	flexural
Modulus of Elasticity	2.00 GPa	290 ksi	
Flexural Strength	80.0 MPa	11600 psi	
Flexural Modulus	1.80 GPa	261 ksi	
Charpy Impact Unnotched	6.00 J/cm <sup>2</sup>	28.6 ft-lb/in <sup>2</sup>	flatwise; ISO 179 1fU
Charpy Impact, Notched	0.400 J/cm <sup>2</sup>	1.90 ft-lb/in <sup>2</sup>	ISO 179 1eA
Coefficient of Friction, Dynamic	0.21	0.21	
Coefficient of Friction, Static	0.15	0.15	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	130 <sup>°</sup> C	266 <sup>°</sup> F	
	150 <sup>°</sup> C	302 <sup>°</sup> F	short term
Deflection Temperature at 1.8 MPa (264 psi)	80.0 <sup>°</sup> C	176 <sup>°</sup> F	

Flammability UL 94 Thermal Properties	HB Metric	HB English	not recognized by UL Comments
--	--------------	---------------	----------------------------------

Electrical Properties	Metric	English	Comments
-----------------------	--------	---------	----------

Insulation Resistance	>= 1.00e+12 ohm	>= 1.00e+12 ohm	
-----------------------	-----------------	-----------------	--

Processing Properties	Metric	English	Comments
-----------------------	--------	---------	----------

Processing Temperature	250 Â°C	482 Â°F	mass temp
------------------------	---------	---------	-----------

Nozzle Temperature	250 - 265 Â°C	482 - 509 Â°F	
--------------------	---------------	---------------	--

Zone 1	240 - 260 Â°C	464 - 500 Â°F	
--------	---------------	---------------	--

Zone 2	260 - 280 Â°C	500 - 536 Â°F	
--------	---------------	---------------	--

Zone 3	250 - 270 Â°C	482 - 518 Â°F	
--------	---------------	---------------	--

Mold Temperature	60.0 - 120 Â°C	140 - 248 Â°F	
------------------	----------------	---------------	--

Drying Temperature	80.0 Â°C	176 Â°F	Vacuum Dryer
	@Time 21600 - 28800 sec	@Time 6.00 - 8.00 hour	

	120 Â°C	248 Â°F	Dehumidifying dryer
	@Time 14400 - 21600 sec	@Time 4.00 - 6.00 hour	

Descriptive Properties	Value	Comments
------------------------	-------	----------

Color	light blue	
-------	------------	--

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China