

Lifocork® UV 451012

Thermoplastic Elastomer

ELASTO

Message:

The main quantity of natural cork which is harvested today is used as pressed cork or mixed with PU or rubber. The processing of this kind of cork can be expensive and require a lot of energy.

We have developed a special manufacturing method to combine natural cork with thermoplastic raw materials. Meaning Lifocork can be processed using typical thermoplastic processing methods such as injection moulding, extrusion or thermoforming.

Cork is a natural product which comes from the bark of the cork oak tree. The removal of the bark does not harm the trees and the bark is only harvested after the first 20 years of growth. The removal stimulates a steady regeneration of the bark. Each cork tree provides on average 16 harvests over its 150-200 year lifespan.

Cork itself has a cell-like structure which is light and highly compressible. It is used in construction, sports, industrial and household applications.

It's also possible to make foamed parts from Lifocork. This offers materials with very low densities (as low as 0.45 g/ccm) and therefore gives lightweight parts. The foamed Lifocork also gives a damping, shock absorbent effect, ideal for orthopaedic shoe lifts and inserts.

Lifocork can be processed using thermoplastic processing methods. In injection moulding it can be processed using standard equipment.

Lifocork can also be processed in 2-component moulding. It has an excellent bond to TPE, PP and PE.

Other processing methods include extrusion or thermoforming with a double belt press.

General Information		
Filler / Reinforcement	Cork	
Features	Foamable	
	Good Abrasion Resistance	
	Good Processability	
	Good UV Resistance	
	Low Density	
	Moisture Resistant	
	Renewable Resource Content	
Uses	Flexible Grips	
	Handles	
	Household Goods	
	Power/Other Tools	
	Sporting Goods	
	Toys	
Processing Method	Coextrusion	
	Extrusion	
	Injection Molding	
	Thermoforming	
Hardness	Nominal Value	
Shore Hardness (Shore A)	50	
Injection	Nominal Value	
Rear Temperature	150	°C
	Test Method	
	DIN 53505	

Middle Temperature	160	°C
Front Temperature	170	°C
Nozzle Temperature	175	°C
Injection Rate	Slow	

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

