



OVERVIEW

Lifocork compounds combine the properties of natural cork with the processability of plastics.

They are available in hardnesses from 50 to 98 Shore A and offer low density and UV-resistance. Lifocork compounds can be processed by conventional thermoplastic processing methods such as injection moulding, extrusion and thermoforming. Lifocork compounds can be physically and chemically foamed and the finished product can be sanded in most cases.

TYPICAL APPLICATIONS: Handles, grips on sports equipment, tools and household items. Bowls, boxes, plant pots and toys.

CUSTOMISED MATERIALS: Below is a selection of grades to illustrate the versatility of Lifocork compounds. However, this table does not include all available types, please [contact us →](#) so that we can find an individual solution for your requirements.

Grade	Hardness ¹ Shore A	Base Material	Properties
Test Method	ISO 868		
Lifocork UV 451012	50	TPE	Special soft grades
Lifocork UV 701021-2	70	TPE	Soft-touch grips, fulfills DIN ISO 10993-5 for skin contact
Lifocork TV 801016-5	80	TPE	Soft-touch-grips, modified for high bonding to TPE, PP & PE. UV resistant
Lifocork TO 951000	95	TPE	Grips in one or two component moulding. Easy to process. UV resistant
Lifocork TO 751004-4	85	EVA	For orthopaedic use, glueable, easy to thermoform
Lifocork TV 751014	75	TPE	For orthopaedic use, glueable, grindable, high flexibility

¹ After 15 seconds



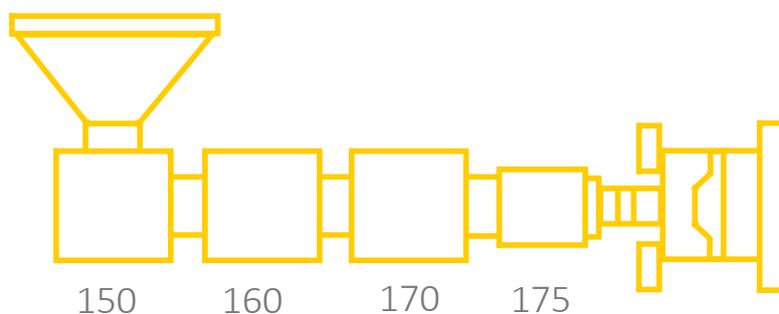
Processing and storage

While they can also be processed via extrusion and thermoforming, Lifocork compounds are optimised for **injection moulding**. Before starting we recommend you clean your machine with a LDPE, EVA or a low melting point PP Copolymer.

This processing guide serves as a brief introduction, the exact settings depend on the geometry of the moulding being produced and the compound being used.

STORAGE	The product should be stored in a dry and cool place in the original packaging. Lifocork compounds have an expected shelf life of minimum 12 months after shipment date
PRE-DRYING	For best results, Lifocork should be dried for 2 to 3 hours at 70 ° C in a dry air dryer
INJECTION SPEED	Slow
INJECTION PRESSURE	Low
BACK PRESSURE	Very low
HOLDING PRESSURE	Must be adjusted for each grade to compensate for the shrinkage
CYCLE TIMES	Cycle times will be governed by temperature and section thickness
COOLING	Care must be taken to allow sufficient cooling of the section prior to demoulding in order to prevent permanent distortion of the article

Recommended start-up temperatures °C



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