HEXPOL TPE

Key materials

- Thermoplastic Elastomer Compounds (TPE)

Key bio-based products

- **Dryflex® Green** Thermoplastic Elastomers (TPE)
- **Lifocork®** Cork Compounds

Areas of application

- Consumer
- Automotive
- Household
- Sports equipment
- Construction
- Packaging

Production and R&D locations

- Sweden
- Germany
- UK
- China
- North America

Contact

For further information about Dryflex® Green Biobased TPEs, please contact:

green@hexpolTPE.com
www.hexpolTPE.com

HEXPOL TPE

WHO WE ARE

HEXPOL TPE is a global polymer compounding group specialising in Thermoplastic Elastomers (TPE).

WHAT WE DO

Our products add value, functional performance and soft-touch aesthetics to a growing number of applications in the consumer, medical, packaging, electronics and construction markets.

HOW WE DO IT

We have a core belief in being the easiest company to do business with. This is what drives us and it's why we invest in our operations, teams and technologies to ensure we give our customers the most reliable, relevant and cost-effective TPE compounds, backed by highly responsive support, technical know-how and application expertise.

GOING GREEN

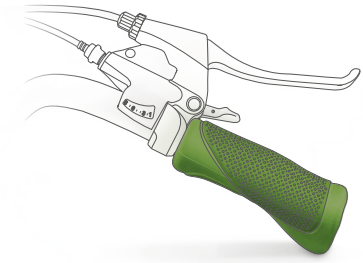
In response to growing demands for sustainable alternatives to fossil based flexible polymer compounds we launched the Dryflex Green family of biobased TPE compounds in 2015.

We are continually developing the range, adding new possibilities to the biobased thermoplastic market by covering a wider range of hardnesses while incorporating high levels of renewable content.





Dryflex® Green



HEXPOL TPE

WHAT ARE DRYFLEX GREEN TPEs?

Dryflex Green is a family of biobased thermoplastic elastomers (TPE). The biobased content derives from raw materials such as polymers, fillers, plasticizers or additives. We have also developed compounds using organic fillers from plants, crops or trees; these give an additional organic appearance and haptics.

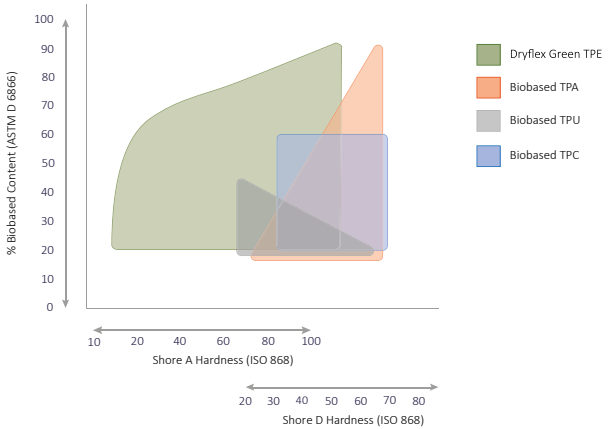
WHY ARE THEY SPECIAL?

Dryflex Green TPE compounds are opening up previously unreachable design solutions to the biobased thermoplastic market by covering a wider range of hardnesses, including softer grades from 15 Shore A, while incorporating high levels of renewable content to over 90%. They are also highly customisable, with grades tailored to meet specific application requirements.

Since most biobased raw materials in the market are quite hard on their own, a major challenge has been to develop compounds with high renewable content, low hardness while at the same time maintaining mechanical properties at acceptable levels.

As can be seen in the figure on the right, Dryflex Green TPEs divert from the other soft thermoplastic materials on the market by including soft materials with high levels of renewable content..

TYPICAL PERCENTAGE OF BIO-CONTENT VS HARDNESS IN BIOBASED TPEs



APPLICATIONS

Dryflex Green TPE compounds can be used in many applications that currently use conventional TPE compounds, such as soft-touch grips and handles, sealing and closures. They give manufacturers of household goods, sports equipment, toys, infant care and packaging new opportunities for sustainability.

FOR MORE INFORMATION...

VISIT THE WEBPAGE

EMAIL US