



TPE for AUTOMOTIVE INTERIORS



WHAT'S YOUR BIGGEST CHALLENGE?

Are you looking to reduce weight or improve sustainability? Do you want a tactile surface in customised colours? Are you facing tougher demands from consumers and legislators?

With over 50 years' experience in flexible polymer compounding, we deliver material with added value. More than just a materials supplier, we want to be the easiest company for you to do business with.

We invest in our operations, teams and technologies to offer the most reliable, relevant and cost-effective TPEs, backed by highly responsive support, technical know-how and application expertise.

We're building a trusted reputation working in partnership with companies across the globe to provide custom formulated, high-quality materials.

Our portfolio is designed to meet the highest standards, both for today and tomorrow. It's helping to create an enhanced aesthetic, functional and safe interior experience.

With the next 10 years predicted to be the most significant period of innovation in the last 100 years, we're supporting OEMs and suppliers to meet the challenges of this ever evolving market.

How can we help you?

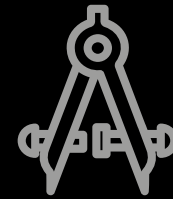
VOC



LOW EMISSIONS
& ODOUR



SUSTAINABILITY &
LIGHTWEIGHTING



DESIGN &
CUSTOMISATION



ELECTRIFICATION



OPTIMISED
PROCESSING

LOW VOC EMISSIONS & ODOUR

To help meet stricter requirements for Vehicle Interior Air Quality (VIAQ) and legislation regarding odour, fogging and VOC we have developed **Dryflex Interior**, a range of TPEs specifically optimised for low emissions.

They offer on average a 75% reduction in emissions compared to other TPEs for interior applications in the market. Representative grades have been tested externally at accredited test laboratories.

The materials display low odour with results 2.0 to 3.0 in standards such as VDA 270. According to gravimetric fogging standard ISO 6452 they

achieve condensate < 1.0 mg and VOC from 60 to 120 µg/g and Fog from 200 to 600 µg/g.

They have also passed additional interior tests for lightfastness, flammability and mechanical performance.

Dryflex Interior TPEs can be used in applications such as inlay mats in the dashboard, door, middle console or glove box. They are also well suited for thumb wheels, switches, cup holder liners, interior trim and HVAC components.

They surpass existing requirements and future proof for emerging global emissions standards.

on average

75%
reduction in
interior emissions

[Download DRYFLEX INTERIOR product data →](#)

EMISSIONS TESTING

	MARKET MINIMUM EXPECTATION	PREVIOUS GENERATION TPEs	DRYFLEX INTERIOR TPEs
GRAVIMETRIC FOGGING ISO 6452 / DIN 75201-B	≤ 2.0 mg	1.0 - 2.0 mg	0.3 - 0.7 mg
THERMODESORPTION (VOC) VDA 278	≤ 500 µg/g	100 - 400 µg/g	60 - 120 µg/g
THERMODESORPTION (FOG) VDA 278	≤ 1500 µg/g	2000 - 3000 µg/g	200 - 600 µg/g
ODOUR VDA 270, B3	≤ 3.0	3.5 - 4.0	2.0 - 3.0

See full emissions testing results for DRYFLEX INTERIOR TPEs →

THE LIGHTWEIGHT CHALLENGE

Using one of the lower density grades from our Dryflex AM range for a set of floor mats could save 1.5kg in weight when compared to mats produced from rubber compound.

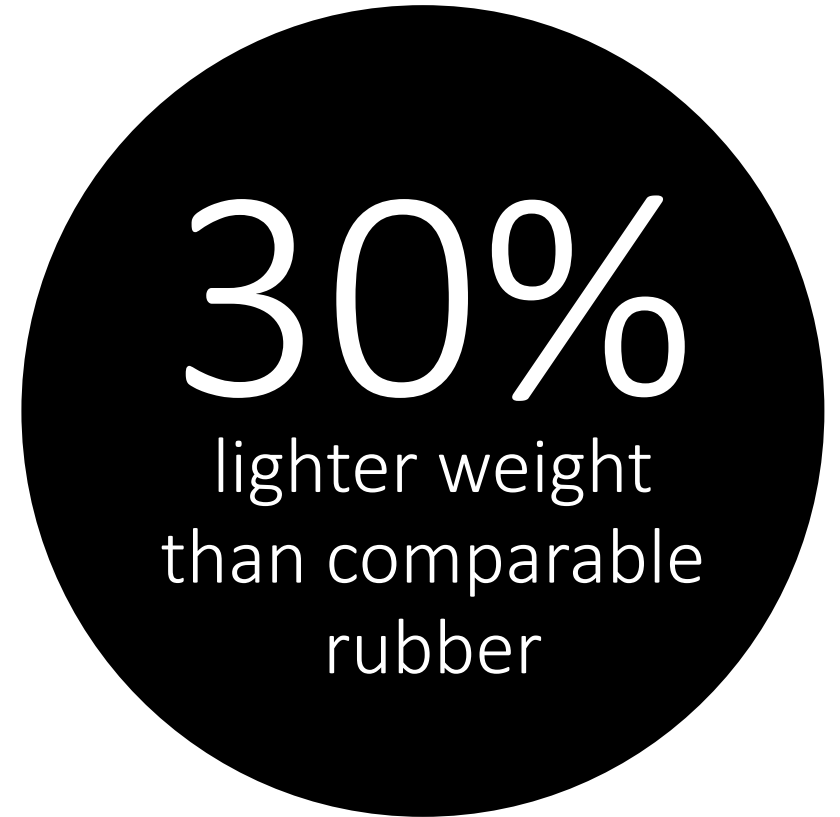
If you multiply this for all the parts that could be produced from TPE, and then factor in the average life-span of the vehicle, you'll see how the numbers start to add-up.

This weight saving contributes to reduced CO₂ emissions and improved fuel efficiency. In the move from traditional powertrain to battery electric (BEV) and hybrid (HEV) weight reduction methods are becoming even more critical.

Processing efficiencies can be achieved with high-flowing grades designed for complex mouldings with a large surface area. No pre-drying or vulcanisation also reduces energy consumption and manufacturing steps.

Multi-component designs mean soft and hard material combinations allow for lower-weight parts that combine the required stiffness with soft-touch haptics.

The Dryflex 2K range of TPEs for overmoulding and co-extrusion applications offer adhesion to a variety of hard substrates.



[Learn more about DRYFLEX AM TPEs →](#)

[Learn more about DRYFLEX 2K TPEs →](#)

SUSTAINABILITY

With growing political discussion and increasing awareness about how we design, use and dispose of plastic products, the drive for sustainability and circular products continues to grow.

We're supporting customers with various initiatives; including Dryflex Green - a family of TPEs based on raw materials from renewable resources such as plant and vegetable crops.

To give the right balance between renewable content, performance and mechanical properties, we're continually testing new sources of raw materials. These include products and by-products from agricultural that are rich in carbohydrates, especially saccharides such as grain, sugar beet and sugar cane.

The Dryflex Green range includes grades that incorporate > 90% bio-based raw materials from certified sustainable sources (e.g. ISCC+).

Dryflex Green materials with low odour and emissions are available, for example a 75 Shore A compound with a renewable content of 20 % showed a very low amount of VOC (42,8 µg/g) and Fog (474 µg/g) in the thermodesorption test according to VDA 278.

We're also working with suppliers and customers to discuss how we can support the circular economy and end of life directives, here we're developing our range of TPEs containing polymer recycle.

Grades available with
>90%
Biobased content

[Learn more about DRYFLEX GREEN Biobased TPEs →](#)

LOOK & FEEL

With many of us spending more than an hour a day in our cars and next generation connected and autonomous drive vehicles, the interior experience is becoming even more important.

It needs to look good, feel good and operate smoothly both inside and out.

TPEs are used for soft-touch features and to enhance haptics and passenger comfort. For added luxury, the **Dryflex Touch** range is designed to give an extra silky feeling and touchably soft sensation.

These materials are formulated with aesthetics in mind, with grades that resist heat, scratches and UV rays. They are also non-sticky, which helps to prevent the build-up of dirt.

We match OEM colours to supply fully compounded materials, meaning fewer production steps for the processor and a consistent colour without any loss to properties.

Our TPEs offer excellent processability, with the possibility of finely structured surfaces and intricate graining effects.

We've tested materials for long-term performance and durability, including ageing resistance for heat, UV and ozone.

The **Dryflex 2K** range of TPEs for multi-component applications opens up further possibilities for tactile qualities. We offer grades that display very good adhesion to PP, PE, ABS, ABS/PC and PA.



CREATING THE
**INTERIOR
EXPERIENCE**

Learn more about DRYFLEX TOUCH TPEs →

SPECIFICATIONS INCLUDE

VOC	VDA 277 / VDA 278 / VW PV3341 / VOLVO VCS 1027, 2749
FOG	ISO 6452 / VDA 278 / SAE J1756-B / DIN 75201
ODOUR	VDA 270
LIGHTFASTNESS	ISO 105-B06 / VW PV1303
OZONE RESISTANCE	ISO 1431-1
FLAMMABILITY	ISO 3795 / FMVSS 302 / DIN 75200 / VW TL 1010
ABRASION RESISTANCE	ISO 4649 / DIN 53516





APPLICATION:
Floor mats & trunk liners

TYPICAL PROPERTIES:



Abrasion
resistance



Low
VOC



Non-slip /
wet-grip



High
flowability



Fast
processing



Low density
grades



Custom
colours



Scratch
resistance

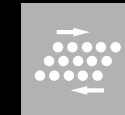
TYPICAL MATERIAL:
Dryflex AM TPEs →



APPLICATION:

Cup holder liners & inlay mats

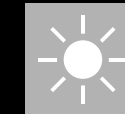
TYPICAL PROPERTIES:



Non-slip
surface



Customised
colours



UV
resistance



Low
VOC



Adhesion
to PP



Soft touch
haptics



Easy
processing



Biobased
grades

MATERIALS:

Dryflex AM TPEs →

Dryflex Interior TPEs →

Dryflex Green TPEs →

APPLICATION:

HVAC flap seals and components

TYPICAL PROPERTIES:



Low
fogging



Low
odour



Low
VOC



Compression
set



Noise
reduction



Long term
heat stability



Adhesion to
polyolefins



Faster
production

TYPICAL MATERIAL:

Dryflex Interior TPEs →





APPLICATION:

Buttons, handles & mounts

TYPICAL PROPERTIES:



Scratch
Resistance



Soft touch
haptics



Low
odour



Low
emissions



Adhesion to
polyolefins



Biobased
grades



Easy to
colour



Efficient
processing

TYPICAL MATERIAL:

Dryflex Interior TPEs →

Dryflex Green TPEs →

APPLICATION:
Thumb wheels

TYPICAL PROPERTIES



Soft touch
haptics



Abrasion
resistance



Scrap
recyclable



UV
resistance



Fast
Processing



Adhesion to
PP, ABS, PA...



Customised
colours

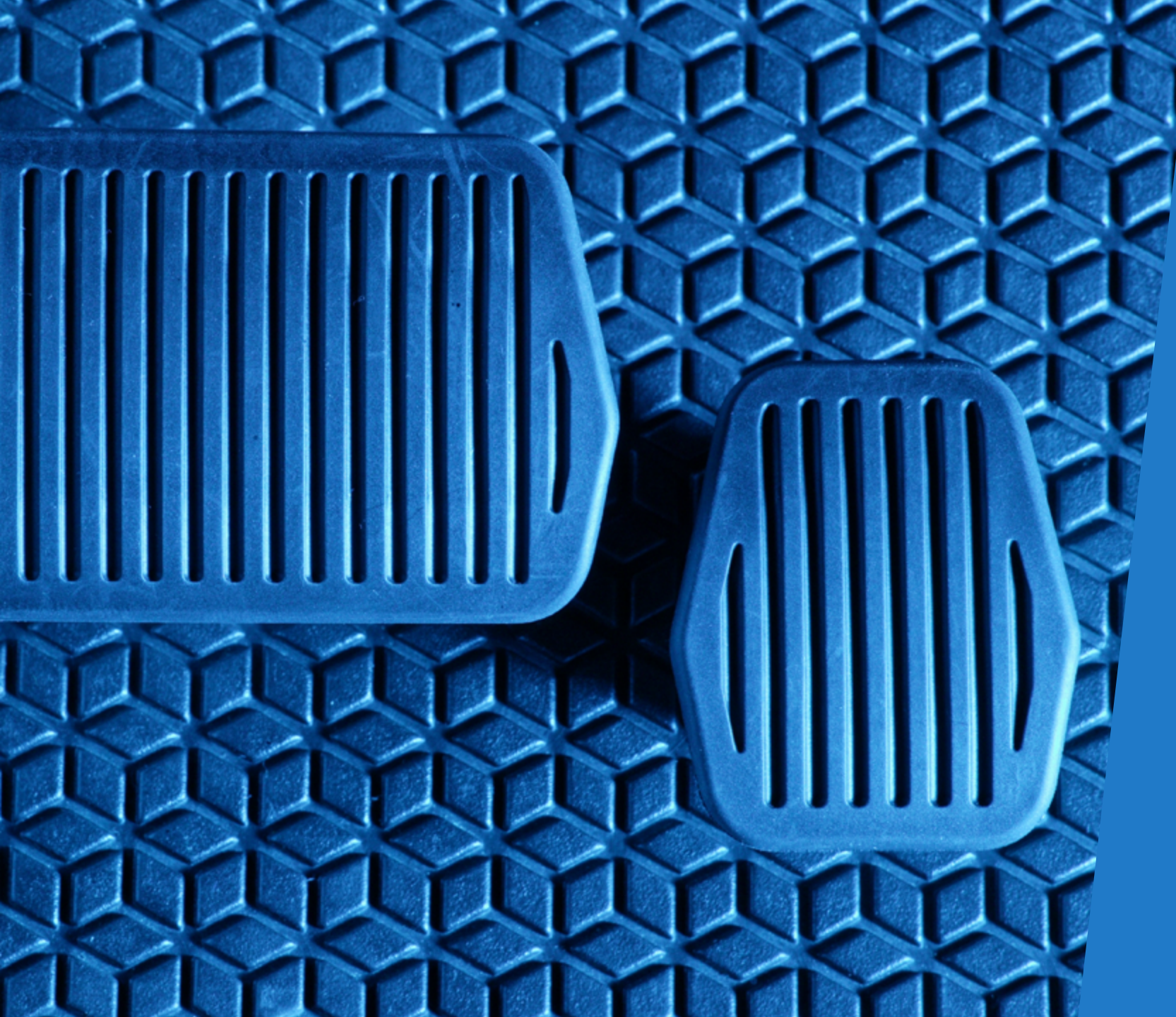


Scratch
Resistance

TYPICAL MATERIAL:

Dryflex 2K TPEs →





APPLICATION:
Pedal covers

TYPICAL PROPERTIES:



Abrasion
resistance



Non-slip /
wet-grip



Scratch
resistance



Easy
processing



Recyclable

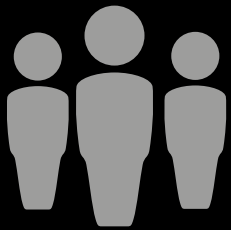


Lightweight

TYPICAL MATERIAL:
Dryflex SE TPEs →

ABOUT HEXPOL TPE

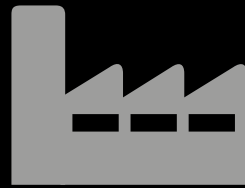
info@hexpolTPE.com
www.hexpolTPE.com



300+ EMPLOYEES
WORLDWIDE



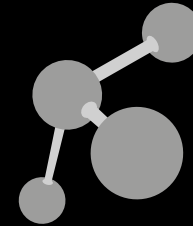
PRODUCTION PLANTS
Sweden, UK, Germany,
China, USA



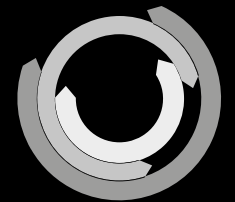
GLOBAL CAPACITY
> 80,000 tonnes p.a.



HEXPOL GROUP
HEADQUARTERS
Malmö, Sweden



34,796+
PROPRIETARY
FORMULATIONS



KEY MARKETS
Consumer,
automotive, medical,
construction,
industrial

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