

The background of the entire page is a vibrant, abstract composition of overlapping circles and semi-circles in various colors including yellow, orange, red, purple, green, and blue. In the center, there is a large, dark blue circle that contains the company logo and the main slogan. The logo itself is a smaller, white circle with the text 'THE COMPOUND COMPANY' in dark blue. The slogan 'We add know-how to compounds.' is written in a dark blue, sans-serif font within the same dark blue circle. At the bottom of the page, the product name 'Yparex® Compatibilizers for mechanical recycling of plastics' is displayed in a large, dark blue font. Below this, the company's website URL 'www.thecompoundcompany.com' is written in a smaller, orange font.

THE
COMPOUND
COMPANY

We add
know-how to
compounds.

Yparex® Compatibilizers for
mechanical recycling of plastics

www.thecompoundcompany.com



Yparex® compatibilizers portfolio for mechanical recycling of plastics

GRADE	BACKBONE	GRAFTING LEVEL (A.U.)*	MFR (190/2.16) (G/10 MIN)	DENSITY KG/M ³	MIXTURES
11308	HDPE	2	7	955	PE-PA, PE-EVOH
10403	LLDPE	1	3	918	PE-PA, PE-EVOH, PE-PET, PE-PU
OH247	VLDPE	1	3	880	PE-PET
OH31	LDPE	2	6	920	PE-PA, PE-EVOH, PE-PET
OH39	LLDPE	2	2	924	PE-PA, PE-EVOH
RENEW OH17	LDPE Biobased	2	6	920	PE-PA, PE-EVOH, PE-PET
4255	mPP (random)	1	55	870	PP-PMMA, PP-PA, PP-EVOH, PP-PET
OH300	PS	0.5	4	947	PS-PE, PS-PA, PS-EVOH
OH284	EVA	1	9	954	PE-PVC, PE-PMMA, EVA-PA, EVA-EVOH

*arbitrary units

Reprocessing PE/PA mixture blown film

An example of reprocessing a PE-PA waste stream into blown film is shown in the pictures below. When using Yparex® 10403 or 0H247, the bubble becomes uniform and stable, which is critical for a blown film process.



Competitor 1
ULDPE-g-MA

Patchy, Uneven Structure



Yparex® 10403
LLDPE-g-MA

Uniform structure, stable bubble, continuous process



Yparex® 0H247
VLDPE-g-MA



Competitor 2
POE-g-MA

Gel formation

Influence of different compatibilizers (8 wt%). Yparex® compatibilizer 10403 or 0H247 results in the best bubble quality.

Source: Courtesy of UGent, VKC-Centexbel, KU Leuven, VLAIO- TETRA HBC.2017.0056

When using Yparex® 10403 or 0H247, the bubble becomes uniform and stable

Dedication included

Modification of polymers is the core competence of the Yparex® experts, based on decades of experience. Innovation of new materials is our daily job to be able to support the latest developments.



ABOUT THE COMPOUND COMPANY

The Compound Company develops and manufactures compounds for the most diverse products and applications. We are specialized in innovative customized solutions. And we are a custom compounding partner for companies that are looking for extra production capacity.

All of our compounds have one thing in common: they are made with unparalleled devotion and dedication. In that we are invincible. If we say 'yes' to an assignment than we are going to deliver! We won't easily say no. Because making the impossible possible is what drives us. And that is exactly what you can expect from us!

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**THE
COMPOUND
COMPANY**
Dedication included

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