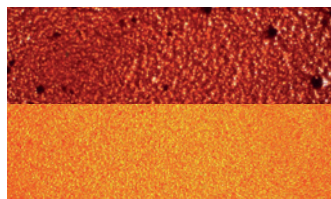


TEGOMER® and **TEGOPREN®** – Dispersants for Masterbatches and Compounds

DISPERSING AT ITS BEST!



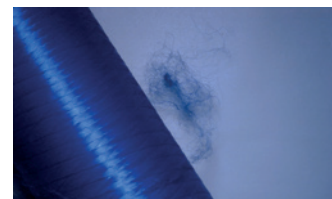
Higher color strength due to
TEGOMER® P 121



No specks and agglomerates due
to TEGOMER® E 525



Lowest filter pressure values
due to TEGOMER®



No fiber fracture

TEGOMER® and TEGOPREN® dispersants are essential ingredients to:

- Produce masterbatches for fiber and film applications, e.g. PE, PP, PA, PET...
- Produce masterbatches for engineering resins, e.g. POM, PA, PBT, PC, ABS...
- Improve the development of color
- Increase productivity or reduce maintenance efforts
- Avoid blocking of spinning nozzles
- Manufacture fibers without capillary fracture
- Reduce speck formation within films
- Avoid pigment bleeding

DISPERSING ADDITIVES

TEGOMER® E 525

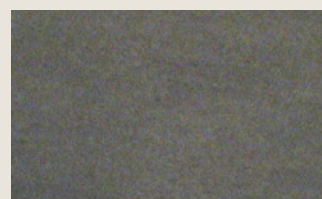
- For PE, PVC and POM based color concentrates and compounds
- Supplied as powder it is easy to feed directly or can be blend with pigments or fillers
- For carbon black, transparent iron oxides
- Outstanding clarity and reduction of specks in film applications
- Enhanced productivity and throughput in highly filled compounds
- Is in compliance with EU Regulation 10/2011 on plastic materials and articles intended to come into contact with food and FDA Regulation 21 CFR 177.1520

TEGOMER® P 121

- For PP and technical polymers, e.g. PA, PBT/PET
- Supplied as powder it is easy to feed directly or can be blend with pigments or fillers
- For all types of pigments in demanding masterbatch application, e.g. blow films (PP, PA and PET) or molded appliances (PA, PBT, ABS)
- For carbon black and color pigments which are difficult to disperse used in masterbatches for dyeing of spin fibers
- Excellent thermal and color stability
- Is in compliance with EU Regulation 10/2011 on plastic materials and articles intended to come into contact with food and FDA Regulation 21 CFR 177.1520 up to 0.166% in the finished polymer

TEGOMER® P 122

- Comparable application profile to TEGOMER® P 121 but supplied as dust free microbeads for fast feeding
- It will be delivered as a free flowing micro granulate for easy handling and quick feeding
- Is in compliance with EU Regulation 10/2011 on plastic materials and articles intended to come into contact with food and FDA Regulation 21 CFR 177.1520 up to 2% in the finished polymer



Perfectly grinded carbon black

TEGOPREN® 6875

- A liquid alkyl modified siloxane to be used for surface treatment of inorganic fillers and pigments in plastic formulations
- Used also for the pre-wetting of difficult to disperse or very dusty pigments in high speed mixers
- In combination with the other TEGOMER® dispersants, outstanding grinding results are obtained

TEGOMER® Dispersants – General dosage recommendations

Product	Suitable Polymers								Dosage in [%] AOP; Additive calculated on Pigment in parts by weight			
	PE	PP	PA	POM	PET/PBT	ABS/PS*	PVC	EVA	ORGANIC PIGMENTS	INORGANIC PIGMENTS	CARBON BLACK	FILLERS
TEGOMER® E 525	•	•		•			•	•	30–50	3–5	50–100	2–4
TEGOMER® P 121		•	•		•	•			30–50	2–4	40–100	
TEGOMER® P 122		•	•		•	•			30–50	2–4	40–100	
TEGOPREN® 6875	Pre-wetting of difficult to disperse pigments								0.5–2.0			

* and other technical polymers like PMMA | The dosage level is given for high-end mono masterbatches which are used in fiber and film application. Whereas the dosage for customized colors e.g. for packaging application is usually just the half of the above given dosage.

Disclaimer

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

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