

Technical Information

TEGOMER® AntiScratch 100

TEGOMER® AntiScratch 100 is a siloxane polyolefin compound delivered in pelletized form.

Physical properties

Appearance	white
Bulk density	225 – 325 kg/m ³
Melt Flow Rate 230°C/2.16 kg	> 100 g/10 min

Application

- TEGOMER® AntiScratch 100 is recommended to be used in polyolefin compounds to guarantee permanent scratch resistance.
- TEGOMER® AntiScratch 100 is also suitable for PP/TPO systems used for interior or exterior car application.
- TEGOMER® AntiScratch 100 is used for unfilled PP compounds as often used for domestic appliances.
- TEGOMER® AntiScratch 100 can be applied in alloys based on polyolefin with polar thermoplastic materials such as PBT or PA.

Dosage/Handling

Typical concentrations for TEGOMER® AntiScratch 100 are 2 – 4 % in PP talc systems.

TEGOMER® AntiScratch 100 should be used with up to 3 % in PP talc systems. The higher the talc content the higher the dosage level of TEGOMER® AntiScratch 100 has to be.

TEGOMER® AntiScratch 100 can be used with up to 5 % without any influence on the afterwards applied coating, printing or adhesive on the final part.

TEGOMER® AntiScratch 100 is usually added during compounding. For small parts it is also possible to add TEGOMER® AntiScratch 100 during the moulding.

Benefits

TEGOMER® AntiScratch 100 is a none migrative additive for the improvement of permanent long-term scratch resistance.

TEGOMER® AntiScratch 100 has superior scratch performance even after elevated temperature storing and UV-aging and shows no fogging.

TEGOMER® AntiScratch 100 is highly effective and does not have to be combined with amides to achieve high scratch resistance.

TEGOMER® AntiScratch 100 works in a wide range of talc filling as it is typical for interior and exterior automotive application with 10 – 40 % talc filling.

TEGOMER® AntiScratch 100 does not influence the gloss of the polyolefin compound.

TEGOMER® AntiScratch 100 is suitable for thermoplastic polyolefins with other inorganic fillers, e. g. wollastonite as used for light weight automotive developments.

Registration status

The ingredients of TEGOMER® AntiScratch 100 are listed in the following inventories:

EINECS, TSCA, DSL, KECL, ENCS, AICS, PICCS, IECSC, TCSI

Based on the submitted information of our raw material suppliers we can confirm, that TEGOMER® AntiScratch 100 is compliant with EC Regulation 1907/2006 (REACH).

Storage stability

TEGOMER® AntiScratch 100 is stable in closed containers for a minimum of 12 months.

Packaging

15 kg cardboards (270 kg each pallet)

Hazardous goods classification

Information concerning

- classification and labelling according to regulations for transport and for dangerous substances
- protective measures for storage and handling
- measures in case of accidents and fire
- toxicity and ecological effects

is given in our material safety data sheets.

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