

Anti-Scratch Masterbatch

Aria Nano 5600

Description

Aria Nano 5600[®] polymer resin is a polyolefin nano composite masterbatch for PP and TPO Compounds. It has been primarily designed to act as a scratch resistance in Talc, CaCO₃ filled polyolefin and TPO compounds.

Technical specification

- This grade is designed to function as scratch resistance of plastic compounds (PP/Talc) used for automotive applications such as dashboards, door panels and etc.
- The usage of **Aria Nano 5600[®]** masterbatch have no negative influence on color of part surfaces.



Physical Properties	value	method
Appearance	Milky Granules	–
Density	0.95	ASTM D792
Melt flow index @230°C /2.16 kg	12±2	ASTM D1238
Usage level	1 to 3 %	According to formulation

Why we suggested Aria Nano 5600[®] for polyolefin compound?

This table shows different of the mechanical properties of PP/Talc compounds for dashboard without anti scratch additives, with silicon anti scratch additives, and **Aria Nano 5600[®]**.

Additives	ΔL Scratch	Tensile Strength (MPA)	Impact strength (kJ/m ²)
With Silicon based Anti-scratch	<1	20.7	22.9
With Siloxane based Anti-scratch + 3 % Aria Nano 5600[®]	0.5	21.4	27.1



Packaging & storage

Aria Nano 5600[®] is packed in 25 kg bags. This bag should be stored in a cool and dry place below 40°C, protected from sunlight and tightly closed to avoid contamination.