**Features & Benefits**

- Pelletized concentrate
- Contains ultra-high-molecular-weight siloxane polymer
- Density: 0.9 g/cm³
- Strongly improves scratch resistance
- Does not exudate
- Improves UV resistance
- Ages without surface changes

As the use of plastics increases in automotive interiors, aesthetics and long-term performance of those polymers have become important concerns. Consumers expect car interiors to maintain their look and feel throughout the ownership of their cars — whether they are matte and textured surfaces or glossy, piano-black finishes. *DOW CORNING™* HMB-0221 Additive helps improve long-lasting anti-scratch properties of automotive interiors, by offering improvements in:

- Quality
- Aging
- Touch and feel aesthetics
- Reduced dust buildup
- Design
- Virtual aesthetics

These improved qualities can be used in a variety of interior surfaces, such as:

- Door panels
- Center consoles
- Third pillars
- Dashboards
- Instrument panels

**Improved Processing and Performance**

*DOW CORNING* HMB-0221 Additive serves as both an anti-scratch surface agent and a processing aid. This offers controlled and consistent products as well as a tailor-made morphology.

### PROCESSING AID

- Mineral and inorganic filler dispersion
- Output improvement
- Lower energy consumption
- Torque reduction
- Melt fracture reduction
- Mold release

Silicone-based additive 0.2 to 1% weight

### SURFACE AGENT

- Dynamic coefficient of friction reduction
- Scratch and abrasion resistance improvement
- Outstanding release
- Unique soft touch, silky feel
- No significant effect on surface adhesion

Silicone-based additive 0.5 to 3% weight

High-Performance *DOW CORNING* HMB-0221 Additive into Polypropylene Talc Compound
Unique Compounding Improves Long-Term Performance

*DOW CORNING* HMB-0221 new generation additive has an enhanced compatibility with the polypropylene matrix — resulting in lower phase segregation on the final surface. This means it stays on the surface of the final plastic part with no migration or exudation, reducing fogging, VOCs or odors.

Long-Lasting, High-Efficiency Scratch Resistance

As an illustration of the importance of scratch resistance, Volkswagen has developed a specific quantitative measurement to evaluate scratch resistance. Using this testing method, *DOW CORNING* HMB-0221 Additive demonstrates high scratch resistance, meeting the target of ΔL under 1.5 with less than 1% weight.

Scratch Resistance Performance

![Graph showing scratch resistance performance](AV20823, AV26171)

Improved UV Aging

Silicones are taking a greater role in high-performance buildings around the world, largely because of their heat and UV resistance. Those qualities are important in automotive interiors as well. Traditional polypropylene talc compounds typically develop some degree of stickiness or tackiness after just a few months of UV exposure. *DOW CORNING* HMB-0221 Additive provides high UV stability compared to competitive materials.

UV Aging Performance

![UV aging test results](AV20823, AV26171)

Minimal Effect on Mechanical Properties

The inclusion of *DOW CORNING* HMB-0221 Additive imparts significant benefits with only minimal effect on a copolymer’s mechanical properties.

Many Solutions. One Source.

As a longtime global leader in developing innovative silicon-based solutions, Dow Performance Silicones offers additives and masterbatches that extend properties, enhance processing and reinforce materials. From fluids to pellets, our products help simplify access to the unique benefits of silicone technology.

To learn more about Dow Performance Silicones’ wide range of plastics and composites solutions, visit [www.dow.com/en-us/transportation/solutions/multibase](http://www.dow.com/en-us/transportation/solutions/multibase) or go to [consumer.dow.com/contactus](http://consumer.dow.com/contactus) for a contact close to your location.