

Squeak noise improver MODIPER® AS155

1 About MODIPER® AS155

- MODIPER® AS155 can reduce squeak noise between 'Acrylonitrile-butadiene-styrene copolymer (ABS)', or 'Polycarbonate (PC)/ABS alloy (PC/ABS)', and **LEATHER** when the MODIPER® AS155 is added into the material.
- MODIPER® AS155 needs to be mixed with thermoplastic resin before injection molding in order to reduce squeak noise.
- MODIPER® AS155 is not made up of materials which are related to halogenated reactants.



Fig. 1 Appearance of MODIPER® AS155

2 Application of MODIPER® AS155

MODIPER® AS155 can be used for car interior parts or furniture parts to reduce squeak noise problem (console box, seat, door trim, sofa).

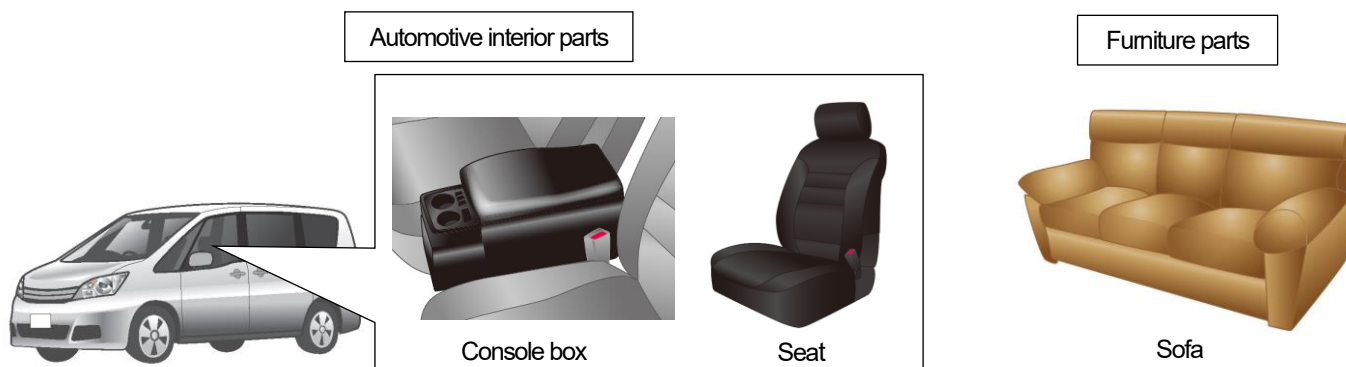


Fig. 2 Application of MODIPER® AS155

3 Prevention of squeak noise with MODIPER® AS155

- Evaluation method : Stick-Slip test (VDA230-206: German Association of the Automotive industry)

The two specimens are prepared and rubbed 3 times. The risk of squeak noise is evaluated by Risk-Priority-Number (RPN) with the 10 stages (In case of RPN=1~3, it is categorized as No stick-slip risk).

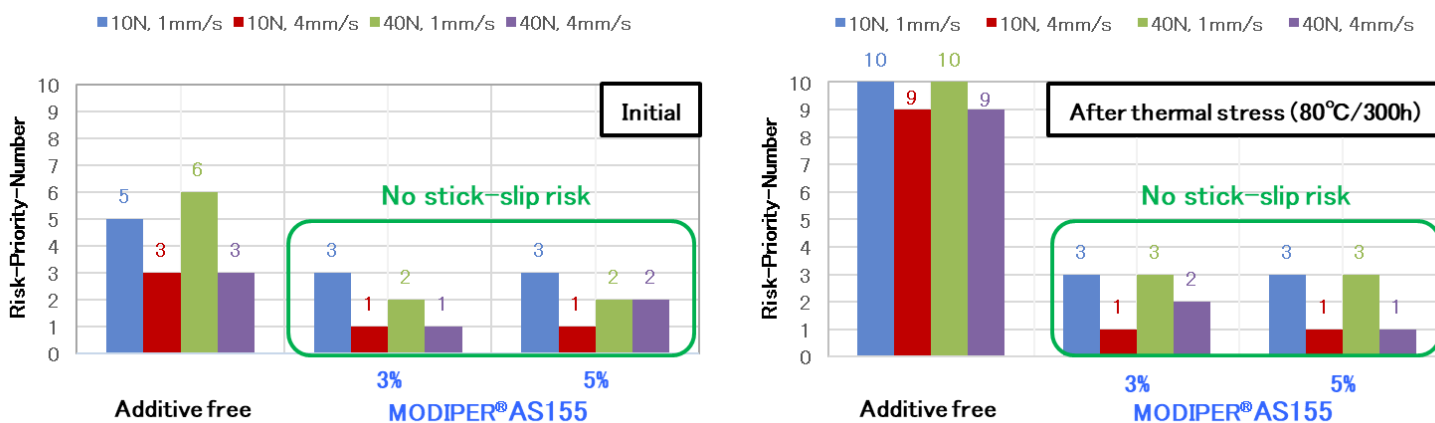


Fig. 3 Evaluation of squeak noise on PC/ABS material by stick-slip test (counter material : PVC LEATHER (by Shinco Inc.))

4 Basic physical properties of MODIPER® AS155

Table. 1 Basic physical properties of MODIPER® AS155 (representative data)

Product name	Shape	Color	Thermal property	
			TGA ¹⁾	
			1% weight loss temperature	5% weight loss temperature
			°C	°C
MODIPER® AS155	Pellet	Milky White	378	409

1) Thermogravimetric Analysis [Rate of temperature rise:10°C/min. Atmosphere : Nitrogen]

5 Registration of MODIPER® AS155 for chemical regulation

Table. 2 Registration of MODIPER® AS155 ¹⁾

Japan	EU	USA	China	Korea	Taiwan
ENCS	REACH	TSCA	IECSC	K-REACH	TCSCA
Polymer Exemption	Polymer : Exemption Monomer : Registered	Listed (ACTIVE)	Not Listed (Simplified Notification ²⁾)	Not Listed (New Chemical Substance)	Listed

1) Please be sure to contact us before exporting to each country

2) Polymer of Low Concern / Registered by NOF (Shanghai) Co., Ltd.

6 Contacts

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All data are representative value and are not our guaranteed values.

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