

PP Resin Silicone Master Pellets

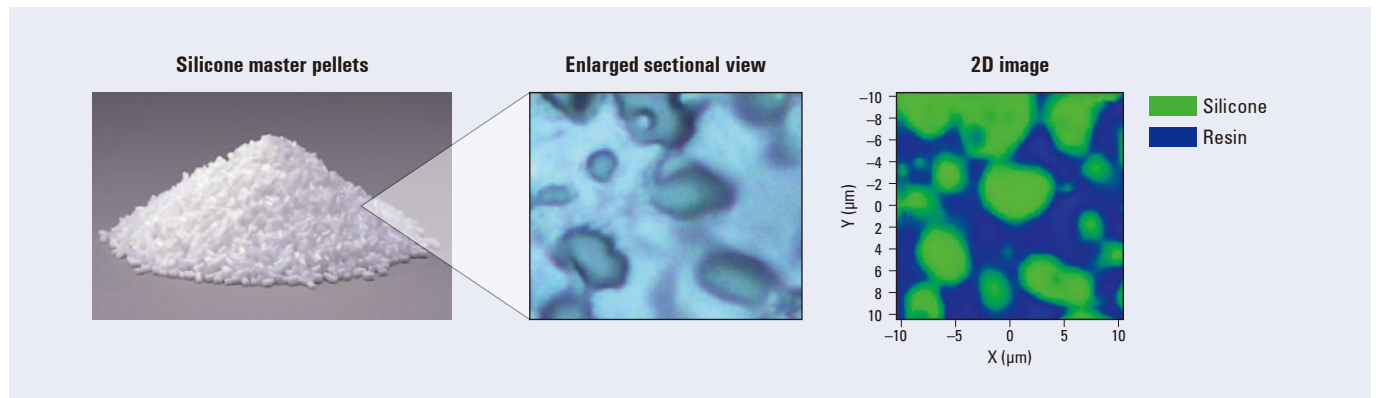
X-22-2101

1/2

1 Features

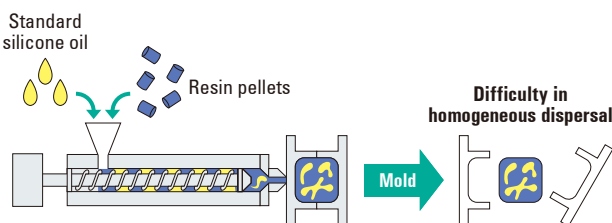
- 1) Silicone gum is blended in PP (polypropylene resin) at high levels.
- 2) Adding X-22-2101 to PP can be expected to impart the following properties.
 - Moldability, high slidability, releasability, water repellency, antifouling property, scratch resistance, and prevent staining noise
- 3) Pellet form makes it easy to handle and weigh.
- 4) Silicone can be uniformly dispersed in PP (see Fig. in Item 3 below).

2 Appearance

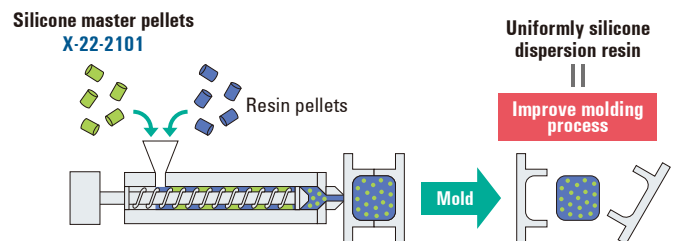


3 Silicone dispersion model in resin

■ For Standard silicone oil



■ For silicone master pellets



4 General properties

Parameter		Product name	X-22-2101
Appearance	Consistency		Pellet
	Color		White
MFR (g/10 min) 210°C/2.16 kg			33
Silicone content		%	50

(Not specified values)

5 Example of application

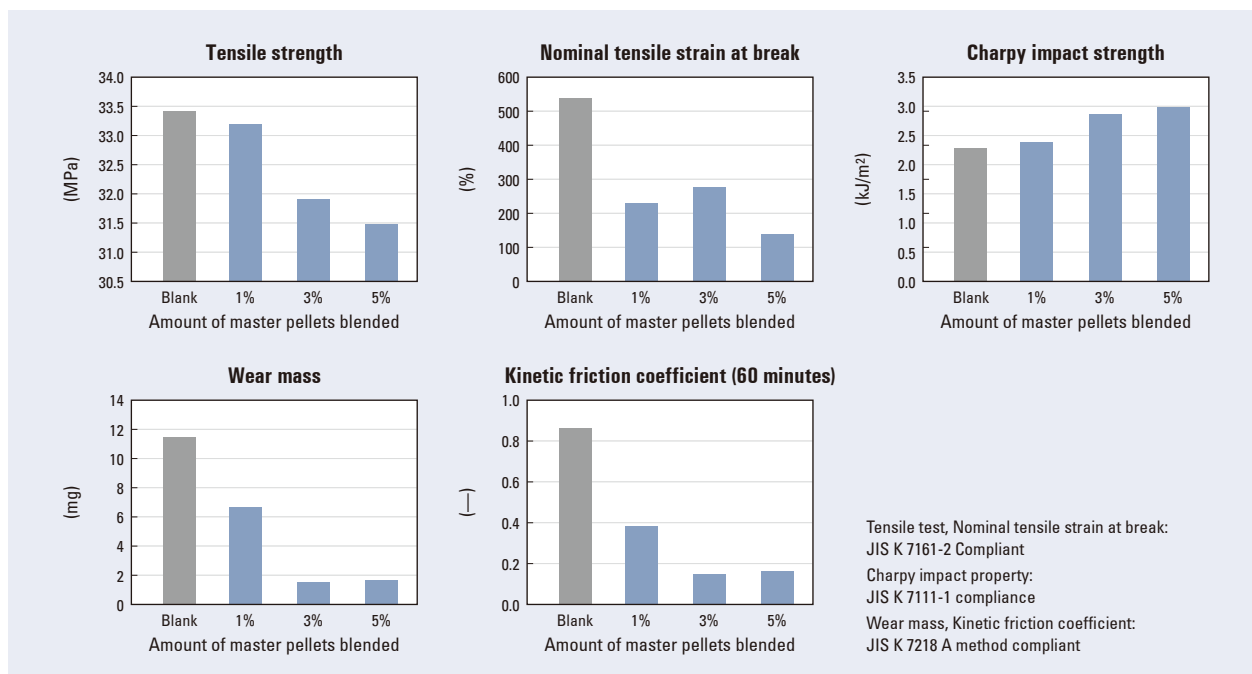
PP injection molded products (automotive parts, home appliance parts, etc.)



6 Instructions for use

Blending X-22-2101 at a ratio of 0.1–3.0 wt% with PP resin. *If you blend 3.0 wt%, you can expect enough effectiveness.

7 Test data of physical property (PP resin/X-22-2101)



8 Handling precautions

- The properties of silicone master pellets may be affected by heat, light, acids or alkalis, so it should be stored in a sealed container and kept in a cool, dark place.
- In advance, check the weight loss and appearance of the surface because of generating heat decomposition of PP over 200°C and silicone over 150°C at injection molding.
- Be sure to read the Safety Data Sheets (SDS) for these products before use. SDS are available from the Shin-Etsu Silicone website. If the SDS is not listed on the website, please contact the sales department.

SDS download URL:

<https://www.shinetsusilicone-Agloal.com/support/sdstds>

9 Safety and hygiene

- Silicone master pellets are not particularly irritating to the skin, but wear protective equipment such as rubber gloves and safety glasses.
- We recommend local exhaust at injection molding for generating some adsorption components and decomposition ingredients.
- Keep out of the reach of children.

10 Packaging

1 kg (plastic bottles), 25 kg (paper bag)

CAUTION

- The data and information presented in this catalog may not be relied upon to represent standard values. Shin-Etsu reserves the right to change such data and information, in whole or in part, in this catalog, including product performance standards and specifications without notice.
- Users are solely responsible for making preliminary tests to determine the suitability of products for their intended use. Statements concerning possible or suggested uses made herein may not be relied upon, or be construed, as a guaranty of no patent infringement.
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- The silicone products described herein have been designed, manufactured and developed solely for general industrial use only; such silicone products are not designed for, intended for use as, or suitable for, medical, surgical or other particular purposes. Users have the sole responsibility

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