



TSM650 Silicone Compound for Mould Release

TSM650 is grease like translucent silicone compound containing an inert silica filler and selected poly dimethyl silicone fluids. It is essentially non toxic, non-melting with excellent resistance to oxidation and show little tendency to dry out in service. This compound is a versatile, heat stable, highly effective silicone release compound. It will stay on the mould surface with greater tenacity than those of solvent-type or emulsion-type agents and remains inert to most materials including plastics, rubber, metal and adhesives. TSM650 may be suitable for use in such high-pressure long-duration moulding processes as the injection moulding of thermoplastic resins and the forming of glass laminations.

Key Features

- ◆ Heat stable for use in service temperature range of minus 40 to 204oC
- ◆ Excellent mould release agent with out carbonatious deposits
- ◆ Ingredients suitable for incidental food contact. Ask for certification details

Applications:

TSM650 can be used in many industries. It can be used as a release agent in the rubber industry, especially for complex shapes, in the plastics industry for moulding processes for synthetic resins, in the manufacture of various woods, and in the die- casting of various metals. TSM650 compound can also be used to coat parts of a wood pressing machine to repel glue or for melt spinning nozzles of synthetic fibres such as polyester or nylon.

Typical Properties	TSM650
Appearance	White, translucent
Penetration (25C)	250
Specific Gravity (25C)	1.04
Bleed, % (150C, 24 h)	0.1
Heating weight loss, % (150 C, 24h)	0.2

Typical product data values should not be used as specifications. Assistance and specifications are available by contacting GE Silicones at 800/255-8886.

TSM650 can be applied as is using a cloth or other means. Also, it may be diluted with xylene or mineral spirits and sprayed or brushed on a surface

Material Safety Data Sheets are available upon request from GE Silicones. Similar information for solvents and other chemicals used with GE Products should be obtained from your suppliers. When solvents are used, proper safety precautions must be observed.

The warranty period for TSM650 in most container sizes is 6 months from date of shipment from GE Silicones if stored in the original unopened container at temperatures between 2C and 27C (35F and 80F).

Please verify the warranty period for your specific container and batch on the product Certificate of Analysis (available on <http://www.gesilicones.com>). Products may be ordered from GE Silicones, Waterford, NY 12188, the GE Silicones sales office nearest you or where appropriate, an authorized GE Silicones product distributor.

Prior to considering use of a GE Silicones' product in fulfilling any government requirement, please contact the Government and Trade Compliance office at 413-448- 4624.

Packaging (net weight)

- ◆ 180 gm Tubes, carton of 20
- ◆ 4 kg cans
- ◆ 15 kg pail

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