

# TSR 144

## TSR 144

### Description

TSR144 is methylphenyl silicone based varnishes, which dries to a non-sticky film at room temperature. The film provides excellent electrical properties and water repellence, and is suitable for surface treatment on printed circuit boards, etc.

### Typical Physical Properties

Test Item		TSR 144
Appearance varnish		Pale Yellow, Clear
Appearance Cured Film		Smooth, Luster
Solid Content %		50
Viscosity at 25 °C, mPa.s		110
Density at 25 °C		1.018
Film Thickness	Center mm	0.033
	Lower Part %	121
Tack Free Time, minutes	100 °C	30
	Room Temperature	60
Volume Resistivity ohm.cm	Normal	$2.1 \times 10^{16}$
	After Wetted	$2.9 \times 10^{16}$
Dielectric Strength kV (per 0.1mm)	Normal	8.1
	After Wetted	8.4
Diluent		Xylene, Toluene

### Potential Applications

#### Application Procedure

- TSR144 can be applied by dipping, brushing, or spray coating.

## Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

## Product Safety, Handling and Storage

### Precautions

If a diluted varnish solution having less than 10% silicone content is applied on Bakelite sheets or the equivalent thereof, uneven coating may occur due to a lack of wetting capability on the material surface. Preliminary test must be recommended if such a diluted solution is to be applied.

Customers should review the latest Material Safety Data Sheet (MSDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, and any special storage conditions required for safety. MSDS are available at [www.momentive.com](http://www.momentive.com) or, upon request, from any Momentive Performance Materials (MPM) representative. **For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center.** Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

### Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

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### Contact Information

For product prices, availability, or order placement, contact our customer service by visiting [www.momentive.com/Contacts](http://www.momentive.com/Contacts)

For literature and technical assistance, visit our website at: [www.momentive.com](http://www.momentive.com)

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