

## CLS5000

### CLS5000

#### Description

CLS5000 is a transparent, self-bonding, two-component silicone rubber for use in low temperature curing liquid injection molding in the production of high performance elastomeric parts. CLS5000 is clear, but easily pigmentable. CLS5000 offers a convenient 1:1 mix ratio, high tensile strength, and high tear strength. Cure time is rapid depending upon part size, configurations and molding temperature.

#### Key Features and Benefits

- High clarity for excellent visibility
- Excellent tear strength
- Convenient 1:1 mix ratio for use with automatic equipment
- Rapid cure time depending upon part size, configuration and molding temperature
- Compatible with a wide variety of thermoplastics for injection molding

#### Typical Physical Properties

Uncured Properties	
Cure Rate (Monsanto Rheometer MDR 2000 @177°C or 350°F; w/ Mylar Sheets	
Torque, maximum, in/lb	29.09
Peak Rate, in/lb/min	163.9
T-2, seconds	5.4

T-90, seconds	25
Cured Properties ASTM slabs cured 15 min @ 177°C (350°F)	
Color	Clear
Specific Gravity	1.12
Hardness, Shore A durometer	67
Tensile Strength, psi	1,591
Elongation, %	458
100% Modulus, psi	575
Tear Die B, ppi	261

#### Regulatory Compliance

- A representative sample of an analogous product to CLS 5000 met the requirements of USP Class VI and ISO 10993 under Good Laboratory Practices (GLP).
- Compositionally compliant with 21 CFR 177.2600 – Rubber articles intended for repeated use<sup>(1)</sup>

(1) It is the responsibility of the user to determine that the final product complies with the extractive limitations and other requirements of 21 CFR 177.2600, under their specific manufacturing procedures

#### Patent Status

Standard copy to come

#### Product Safety, Handling and Storage

Standard copy to come

#### Limitations

Standard copy to come

#### Contact Information

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