

## CLS3060 CLR

### Description

CLS3060 CLR is a transparent, self-bonding, two-component silicone rubber for use in liquid injection molding to produce high performance elastomeric parts. CLS3060 CLR is clear, but easily pigmentable. CLS3060 CLR offers a convenient 1:1 mix ratio, high tensile strength, and rapid cure time depending upon part size, configurations and molding temperature.

### Key Features and Benefits

- Primer-less adhesion to many substrates
- Maximum adhesion immediately after de-molding
- High clarity for excellent visibility
- High temperature stability
- FDA 21CFR177.2600 (Rubber Articles Intended for Repeated Use) compliant
- Good dielectric and mechanical properties
- Easy pigmentable due to translucent color

### Typical Physical Properties

<u>Uncured Properties</u>	
<b>Cure Rate</b> (Monsanto Rheometer MDR 2000 @ 177°C or 350°F; w/ Mylar Sheets)	
Torque, maximum, in/lb	16.3
Peak Rate, in/lb/min	124
T-2, seconds	4.8
T-90, seconds	17.4

Cured Properties	
ASTM slabs cured 15 min @ 177°C (350°F)	
Color	Clear
Specific Gravity	1.12
Hardness, Shore A durometer	59
Tensile Strength, psi	1,600
Elongation, %	500
100% Modulus, psi	310
Tear Die B, ppi	190

## Potential Applications

- Sports goggles
- Respiratory masks
- Health care equipment
- Sealing elements & membranes
- Coating metal rolls

## Processing Recommendations

Ready-to-use mixtures (of the components A and B) are fed directly to the injection-molding machine from the original containers by means of a metering and mixing unit. The mixture, consisting of the two components in the ratio 1:1, is injected into the heated mold. At mold temperatures of 170 - 230°C, the addition-crosslinking silicone rubber typically vulcanizes, without any dissociation products, within a few seconds. High curing speed and easy demolding can help enable fully automated production of a large number of articles in short cycle times.

## Patent Status

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## Product Safety, Handling and Storage

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**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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