

## Multibase C6-235 DI-CUP R Dow-Corning Class VI Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

### Material Notes:

Information provided by Multibase

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Multibase-C6-235-DI-CUP-R-Dow-Corning-Class-VI-Elastomer.php](http://www.lookpolymers.com/polymer_Multibase-C6-235-DI-CUP-R-Dow-Corning-Class-VI-Elastomer.php)

| Mechanical Properties      | Metric    | English  | Comments                                          |
|----------------------------|-----------|----------|---------------------------------------------------|
| Hardness, Shore A          | 35        | 35       | molded- without post cure; ASTM D2240             |
|                            | 41        | 41       | post cured- 2 hours at 177Â°C; ASTM D2240         |
|                            | 41        | 41       | post cured- 4 hours at 177Â°C; ASTM D2240         |
|                            | 44        | 44       | post cured- 8 hours at 177Â°C; ASTM D2240         |
| Tensile Strength, Ultimate | 7.58 MPa  | 1100 psi | molded-without post cure; ASTM D412               |
|                            | 7.58 MPa  | 1100 psi | post cured- 2 hours at 177Â°C; ASTM D412          |
|                            | 7.58 MPa  | 1100 psi | post cured- 4 hours at 177Â°C; ASTM D412          |
|                            | 8.27 MPa  | 1200 psi | post cured- 8 hours at 177Â°C; ASTM D412          |
| Tensile Strength, Yield    | 1.03 MPa  | 150 psi  | at 200%, molded-without post cure; ASTM D412      |
|                            | 1.45 MPa  | 210 psi  | 200%, post cured- 4 hours at 177Â°C; ASTM D412    |
|                            | 1.45 MPa  | 210 psi  | at 200%, post cured- 2 hours at 177Â°C; ASTM D412 |
|                            | 1.79 MPa  | 260 psi  | 200%, post cured- 8 hours at 177Â°C; ASTM D412    |
| Elongation at Break        | 700 %     | 700 %    | post cured- 8 hours at 177Â°C; ASTM D412          |
|                            | 750 %     | 750 %    | post cured- 4 hours at 177Â°C; ASTM D412          |
|                            | 760 %     | 760 %    | post cured- 2 hours at 177Â°C; ASTM D412          |
|                            | 950 %     | 950 %    | molded-without post cure; ASTM D412               |
| Tear Strength              | 22.8 kN/m | 130 pli  | Die B,molded-without post cure; ASTM D624         |

| Mechanical Properties | Metric    | English | Comments                                                     |
|-----------------------|-----------|---------|--------------------------------------------------------------|
|                       | 22.8 kN/m | 130 pli | post cured- 2 hours at 177Â°C; ASTM D624                     |
|                       | 22.8 kN/m | 130 pli | Die B, post cured- 4 hours at 177Â°C; ASTM D624              |
|                       | 24.5 kN/m | 140 pli | Die B, post cured- 8 hours at 177Â°C; ASTM D624              |
| Compression Set       | 54 %      | 54 %    | 22 hours at 177Â°C, post cured- 8 hours at 177Â°C; ASTM D395 |
|                       | 74 %      | 74 %    | 22 hours at 177Â°C, post cured- 2 hours at 177Â°C; ASTM D395 |
|                       | 86 %      | 86 %    | 22 hours at 177Â°C, post cured- 4 hours at 177Â°C; ASTM D395 |

| Thermal Properties | Metric                               | English                              | Comments   |
|--------------------|--------------------------------------|--------------------------------------|------------|
| Shrinkage          | 3.10 %                               | 3.10 %                               | post cured |
|                    | @Temperature 177 Â°C, Time 7200 sec  | @Temperature 351 Â°F, Time 2.00 hour |            |
|                    | 3.50 %                               | 3.50 %                               | post cured |
|                    | @Temperature 177 Â°C, Time 14400 sec | @Temperature 351 Â°F, Time 4.00 hour |            |
|                    | 3.70 %                               | 3.70 %                               | post cured |
|                    | @Temperature 177 Â°C, Time 28800 sec | @Temperature 351 Â°F, Time 8.00 hour |            |

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