

Multibase SILASTIC® C7-4550 VAROX Dow-Corning Biomedical Grade ETR Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE , Silicone, Thermoplastic

Material Notes:

Information provided by Multibase

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-SILASTIC-C7-4550-VAROX-Dow-Corning-Biomedical-Grade-ETR-Elastomer.php

| Mechanical Properties | Metric | English | Comments |
|----------------------------|-----------|----------|---------------------------------------|
| Hardness, Shore A | 55 | 55 | as molded |
| | 56 | 56 | post cured- 2 hours at 177°C |
| | 57 | 57 | post cured- 4 hours at 204°C |
| Tensile Strength, Ultimate | 9.729 MPa | 1411 psi | post cured- 2 hours at 177°C |
| | 10.17 MPa | 1475 psi | post cured- 4 hours at 204°C |
| | 10.91 MPa | 1582 psi | as molded |
| Tensile Strength, Yield | 1.55 MPa | 225 psi | 200%, post cured- 4 hours at 204°C |
| | 3.07 MPa | 445 psi | at 200%, as molded |
| | 3.17 MPa | 460 psi | at 200%, post cured- 2 hours at 177°C |
| Elongation at Break | 593 % | 593 % | post cured- 2 hours at 177°C |
| | 619 % | 619 % | post cured- 4 hours at 204°C |
| | 693 % | 693 % | as molded |
| Tear Strength | 31.2 kN/m | 178 pli | post cured- 4 hours at 204°C; Die B |
| | 36.3 kN/m | 207 pli | as molded; Die B |
| | 37.7 kN/m | 215 pli | post cured- 2 hours at 177°C; Die B |

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