



TECHNOLOGY SPECIFICATIONS – SILICONE MOLDING

| | |
|-------------------------|--|
| Accuracy | ±0.3% (or a minimum of ± 0.3 mm for dimensions under 100 mm) |
| Quantity | 25 high quality parts(Depending on the complexity and used materials) |
| Maximum part dimensions | Depending on the size of the Vacuum Chamber/Pressure Chamber – 50x30x30 cm |
| Minimum wall thickness | 0.75mm, best results recommendation – 1.5mm |
| Surface Quality | Perfect surface quality comparable to injection molded parts |
| Surface Finishing | Боядисване в определен точен цвят(RAL) |



TECHNICAL CHARACTERISTICS

| | Units | TC - 800 | PR - 2900 | UPX - 8400 | PR -777 | F - 180 | PR - 2000 | TC - 873 | PX - 212 | WC - 784 |
|----------------------|-------------------|-------------|-----------|------------|----------|----------|-----------|-------------|------------|-------------|
| Density | g/cm ³ | 1,11 | 1,17 | N/A | 1,16 | N/A | 1,15 | 1,129 | N/A | 1,05 |
| Tensile Strength | MPa | 6,100 psi | 78 Mpa | 2 - 17 Mpa | 32 Mpa | N/A | 56 Mpa | 3 430 psi | 40 Mpa | 6.650 psi |
| Tensile Modulus | MPa | 190 000 psi | 2900 MPa | N/A | 1000 Mpa | N/A | 1850 Mpa | 106 000 psi | N/A | 260 000 psi |
| Flexural Strength | MPa | 9,250 psi | 119 Mpa | N/A | 35 Mpa | 34 Mpa | 80 Mpa | 5 510 psi | 80 Mpa | 11 000 psi |
| Elongation at Break | % | 8 | 7 | 390 - 550 | 35 | | 5 | 20 | 25 | 65 |
| Flexural Modulus | N/mm ² | 230 000 psi | 2900 MPa | N/A | 900 Mpa | 1130 Mpa | 2000 Mpa | 139 000 psi | 1 200 Mpa | 320 000 psi |
| Shore D/A-hardness | | 75 D | 86 D | 30 - 95 A | 75 D | 74 D1 | 80 D | 74 D | 68 - 76 D1 | 82 D |
| Heat Distortion Temp | °C | 85 | 92 | N/A | 94 | N/A | 70 | 75,6 | 78 | 70 |