



TPV Compound Srl. Medical Grade PVC

Foster Polymer Distribution, a business unit of Foster Corporation, is an authorized sales and distribution partner for TPV® Compound Srl.

Based in Italy, TPV® Compound Srl. is a leading manufacturer of medical grade PVC for extrusion, thermoforming and injection molding applications. TPV® Compound PVC offers excellent water and chemical resistance, allowing for pre-sterilization of multi-use and disposable medical components, using steam, radiation and ethylene oxide. All medical compounds are DEHP free, with flexible to rigid grades available.

The tables below provide a comprehensive comparison of TPV® Compound PVC grades (available through Foster Polymer Distribution), to other grades commonly used in the medical industry.

| Grade | Hardness | Specific Gravity | Tensile Strength | | Elongation @ Break |
|---------------------|------------|------------------|------------------|--------------|--------------------|
| | Shore | - | MPa | PSI | % |
| TPV AM663/A | 63A | 1.168 | 14.5 | 2,100 | 390 |
| Unichem 6511-02 | 65A | 1.180 | 12.4 | 1,800 | 450 |
| TPV AM 169/A | 69A | 1.195 | 16.5 | 2,395 | 370 |
| Unichem 7011C2-02 | 70A | 1.210 | 16.3 | 2,365 | 400 |
| TPV AM189/A | 91A | 1.250 | 24.5 | 3,550 | 340 |
| Unichem 9011A-03 | 90A | 1.270 | 21.7 | 3,150 | 300 |
| TPV AM 194/A | 94A | 1.260 | 25 | 3,625 | 320 |
| Unichem 9311A-02 | 93A | 1.270 | 23.4 | 3,395 | 280 |
| Unichem 9511A-02 | 95A | 1.280 | 21.7 | 3,150 | 275 |
| TPV AMG 101 | 78D | 1.350 | 41 | 5,950 | 150 |
| TPV AMG 100 | 79D | 1.330 | 35 | 5,075 | 150 |
| Unichem 10012G-015 | 72D | 1.350 | 44 | 6,380 | 69 |

**Data values for TPV PVC grades were provided by TPV Compound Srl. Data values for Unichem PVC grades were provided by Colorite Polymers.*

About Foster Polymer Distribution

Foster Polymer Distribution, a business unit of Foster Corporation, is a specialized supplier of performance polymers for medical device applications. Foster recognized and prioritizes the value of application development within our targeted industry. Our goal, as a market development distributor is to discover, develop and assist in bringing new applications to fruition. We cater to the unique demands of the medical device community by providing custom services including product development, material sampling, lot selection, custom batches, regulatory support and logistics.

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