

| Product Description | | | | | |
|--|---|-----------------------------|-------|-----------------|--------|
| Easy processing TPE 92 Shore A with UV | | | | | |
| General Properties | | | | | |
| Appearance | Black, Natural, All Colors | | | | |
| Processing Methods | Injection Molding and Extrusion | | | | |
| Applications | Automotive, Appliance, General Industrial | | | | |
| Mechanical Properties | Test Method | English Units | | S.I. Units | |
| Shore Hardness, 10 second delay | ASTM D2240 | 92 A | | 92 A | |
| Specific Gravity | ASTM D792 | 0.88 | sp gr | 0.88 | sp gr |
| Tensile Strength | ASTM D412A | 2,060 | psi | 14,203 | kPa |
| Tensile Elongation at Break | ASTM D412A | 664 | % | 664 | % |
| 300% Modulus | ASTM D412A | 1,161 | psi | 8,005 | kPa |
| Tear Strength | ASTM D624 | 1,033 | pli | 181 | kN/m |
| Thermal Properties | Test Method | English Units | | S.I. Units | |
| Viscosity at 210 °C, 10,994 sec-1 | ASTM D3835 | 11,900 | cPs | 11.9 | Pa·sec |
| Injection Molding | | English Value | | SI Value | |
| Suggested Maximum Moisture | | 0.05% | | 0.05% | |
| Rear Barrel Temperatures | | 350 - 380 °F | | 177 - 193 °C | |
| Middle Barrel Temperatures | | 360 - 390 °F | | 182 - 199 °C | |
| Front Barrel Temperatures | | 370 - 420 °F | | 188 - 216 °C | |
| Nozzle Temperature | | 370 - 430 °F | | 188 - 221 °C | |
| Melt (processing) Temperatures | | 380 - 420 °F | | 193 - 216 °C | |
| Injection Rate | | Fast | | Fast | |
| Back Pressure | | 25 - 180 psi | | 172 - 1,241 kPa | |
| Screw Speed | | 100 to 200 rpm | | 100 to 200 rpm | |
| Screw L/D Ratio | | 15:1 - 20:1 | | 15:1 - 20:1 | |
| Screw Compression Ratio | | 1.5:1 - 2.5:1 | | 1.5:1 - 2.5:1 | |
| Mold Temperature | | 60 80 °F | | 16 - 27 °C | |
| Clamp Tonnage | | 3 to 5 tons/in ² | | 34 to 69 MPa | |
| Cushion | | 0.125 to 0.250 in | | 3.18 to 6.35 mm | |
| Vent Depth | | 0.0010 in | | 0.03 mm | |

These Data Sheet Values are Typical Values and are not intended for specification purposes. These values should only be used as a guide and no assurances by EnCom, Inc. can be granted that all molded articles will exhibit duplicate properties as those listed above. Each material user should perform their own testing for suitability.

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