

TECHNICAL DATA SHEET

Product Name	FORMUFIT Structural Grade PVC Fittings
Product Description	<p>FORMUFIT Structural Grade PVC Fittings are derived from a specially formulated rigid PVC molding compound suitable for applications requiring:</p> <ul style="list-style-type: none"> • Weatherability • Gloss • Impact Strength • Thermoformability • Critical Outside Appearance

PROPERTIES	TYPICAL VALUE	TEST METHOD
Specific Gravity	1.45	ASTM D-792
Tensile Yield Strength (psi)	6,450	ASTM D-638
Tensile Modulus (psi)	380,000	ASTM D-638
Flexural Yield Strength (psi)	11,800	ASTM D-790
Flexural Modulus (psi)	400,000	ASTM D-790
Izod Impact (ft lbs/in notch) @ 73°F	23	ASTM D-256
Heat Deflection Temperature @ 264 psi (°F)	162	ASTM D-648

- **Specific Gravity** - The ratio of the density of a given solid to the density of water.
- **Tensile Yield Strength (psi)** - The stress at which material strain changes from elastic deformation to plastic deformation, causing it to deform permanently.
- **Tensile Modulus (psi)** - The tendency of an object to deform along an axis when opposing forces are applied along that axis.
- **Flexural Yield Strength (psi)** - The ability of an object to resist deformation under load.
- **Flexural Modulus (psi)** - The resistance of a beam of specified material and cross-section to bending.
- **Izod Impact** - The kinetic energy needed to initiate fracture and continue the fracture until the specimen is broken.
- **Heat Deflection Temperature** - The temperature at which a standard test bar deflects a specified distance under a load.