

PLASKOLITE

ASTM D3935

TUFFAK® POLYCARBONATE MONOLITHIC SHEET

ASTM D 3935 defines the properties of **polycarbonate resin**. The specification covers unfilled and reinforced polycarbonate and polycarbonate copolymer materials suitable for injection molding, blow molding, and extrusion. Unfilled polycarbonate materials are classified into groups according to their composition. The groups are Group 01 - Group 06. These groups are subdivided into classes which are Class 0 - Class 4 and these classes can be further be subdivided into grades which are Grade 0 - Grade 7. Different tests are conducted in order to determine the following properties of polymer materials: Izod impact strength, flexural modulus, tensile strength, and deflection temperature.

This specification supersedes government specification L-P-393.

TUFFAK® Sheet	Category and Definition	ASTM D 3935 Classification
GP*	Group 01 = Polycarbonate Class 1 = General Purpose Grade 6 = Flow Rate Test Value	PC0116
GP*, SL, UV, AR, 15, FC	Group 01 = Polycarbonate Class 3 = UV Stabilized Grade 6 = Flow Rate Test Value	PC0136
GP-V, SL-V, LF, FI	Group 01 = Polycarbonate Class 2 = Flame Retardant Grade 0 = Flow Rate Test Value	PC0120
FD	Group 01 = Polycarbonate Class 5 = FDA Compliant Grade 6 = Flow Rate Test Value	PC0156

*TUFFAK® GP conforms to material test values as described in ASTM D3935 Table PC - Class 1. TUFFAK® GP also conforms to Class 3, UV-Stabilized, due to its UV stabilized resin (short term exterior applications).

DISCLAIMER:

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale.