



Plastics Corporation

PC - Polycarbonate

LEGEND

A = amorphous - Cr = crystalline - C = clear - E = excellent - G = good - P = poor -
O = opaque - T = translucent - R = Rockwell - S = Shore

STRUCTURE: A

SPECIFIC DENSITY: 1.2

WATER ABSORPTION RATE (%): 0.16

ELONGATION (%): 100

TENSILE STRENGTH (psi): 10000

COMPRESSION STRENGTH (psi): 12000

FLEXURAL STRENGTH (psi): 14000

FLEXURAL MODULUS (psi): 330000

IMPACT (IZOD ft. lbs/in): 2.4

HARDNESS: R75

FABRICATION

- BONDING: G
- ULTRASONIC WELDING: E
- MACHINING: E

DEFLECTION TEMPERATURE (deg. F)

- @ 66 psi: 287
- @ 264 psi: 270

UTILIZATION TEMPERATURE (deg. F)

- min: -145
- max: 275

MELTING POINT (deg. F): 300

COEFFICIENT OF EXPANSION: 0.000039

ARC RESISTANCE: 11

DIELECTRIC STRENGTH (kV/mm): 15

TRANSPARENCY: C

UV RESISTANCE: G

CHEMICAL RESISTANCE

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