



Plastics Corporation

PBT - Polybutylene Terephthalate

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: 1.31

WATER ABSORPTION RATE (%): 0.15

ELONGATION (%): 15

TENSILE STRENGTH (psi): 5600

COMPRESSION STRENGTH (psi): 10000

FLEXURAL STRENGTH (psi): 115000

FLEXURAL MODULUS (psi): 360000

IMPACT (IZOD ft. lbs/in): 1

HARDNESS: R118

FABRICATION

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

DEFLECTION TEMPERATURE (deg. F)

- @ 66 psi: 300
- @ 264 psi: 140

UTILIZATION TEMPERATURE (deg. F)

- min: -76
- max: 330

MELTING POINT (deg. F): 430

COEFFICIENT OF EXPANSION: 0.000033

ARC RESISTANCE: 130

DIELECTRIC STRENGTH (kV/mm): 15

TRANSPARENCY: 0

UV RESISTANCE: G

CHEMICAL RESISTANCE

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