



**Material:** DT-1

**Description:** Silicone Composite

## AREAS OF USE

Area of Use	Highly Recommended	Optional	Benefits
Gob Deflector			High temperature capabilities
Takeout Insert			No oil absorption
Dead Plate			High mechanical strength (Stronger than standard carbon or graphite)
Ware Guide	✓		
Sweepout	✓		Long wear-life (service-life)
Transfer	✓		Very low thermal conductivity
Stacker Bar		✓	Moldable into sheet form

## AVAILABLE SHEET SIZES\*

Thicknesses	Sheet Sizes	Benefits
0.125" (1/8") [3.18 mm]	12" x 12" [304.8 mm x 304.8 mm]	High dimensional accuracy
0.250" (1/4") [6.35 mm]		May be cleaned and reused (see recommended cleaning procedures)
0.375" (3/8") [9.35 mm]		Lower cost than CFC alternatives
0.500" (1/2") [12.70 mm]		May be machined by client (from stock sheets) or supplied as finished cut parts by Dura Temp

\*Dura Temp's molding process is used to produce large sheets in high volume.

\*Actual molded size may vary due to manufacturing process.



## DT-1 TECHNICAL DETAILS

### PHYSICAL PROPERTIES

International Units

English Units

Density

1.70 g/cm<sup>3</sup>

106 lb/ft<sup>3</sup>

### MECHANICAL PROPERTIES

International Units

English Units

Impact Strength

214 J/m

4 ft-lb/in

Flexural Strength

52 MPa

7,500 psi

### TEMPERATURE CAPABILITIES

International Units

English Units

Continuous Temperature

316°C

600°F