

Product Bulletin

CASS POLYMERS

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ES-204-SC
SILICONE CARBIDE
EPOXY SURFACE COAT
ABRASION RESISTANT
BLACK

0302

DESCRIPTION

ES-204 SC ABRASION RESISTANT EPOXY SURFACE COAT is a two component, room temperature curing system commonly referred to as a Die Surface system. It exhibits excellent handling properties which produce dimensionally accurate and void free duplications. Due to its abrasion resistance, machinability is poor; however, the outstanding physical properties create a very strong, long lasting and durable surface. ES-204 SC can also be used as the surface coat for mass casting duplications, or as a surface casting material up to ½" without bulk fill. Use with ADTECH laminating systems, EL-301 or EL-302-PC.

USES

Nesting and bonding fixtures
Draw and stretch dies
Foundry patterns and core boxes

Router and trim fixtures
Hammer and stretch forms
Tracing duplications

HANDLING CHARACTERISTICS @ 25°C/77°F

Mix Ratio (parts by weight) 100R/10H
Mixed Viscosity Thixotropic
Pot Life 25 minutes
Demolding Time 16-20 hours

PROPERTIES

Tensile Strength 5,600 psi
Compressive Strength 19,200 psi
Flexural Strength 11,300 psi
Heat Distortion Temperature 77°C/165°F
Shrinkage 0.0004 in/in
Cured Hardness 90 Shore D
Color Black
Shelf Life (Stored at ambient temperature)..... 1 Year

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