



TC-1208 A/B

HIGH STRENGTH CASTING RESIN WITH #100, 101 & 102 HARDENERS

DESCRIPTION:

Aluminum filled, medium viscosity, epoxy casting resin exhibiting outstanding compressive strength and resistance to deformation under load. TC-1208 A/B systems work extremely well for potting, casting, and grouting applications.

MATERIAL CHARACTERISTICS:

- ✓ Aluminum filled
- ✓ Excellent impact and dimensional accuracy
- ✓ Low filler settling rate
- ✓ Selection of hardeners and ratios for various applications

HARDENER SELECTION:

Hardener #100 (FAST): Gels in 30 minutes in a 100-gram mass at 77°F (25°C). It gains up to 85% of its cured properties within 2-3 hours.

Hardener #101: Gels in 60 minutes in a 100-gram mass at 77°F (25°C). It gains up to 85% of its cured properties in 4.5 to 6 hours.

Hardener #102: Gels in 75 minutes in a 100-gram mass at 77°F (25°C). It gains approximately 85% of its properties in 6-9 hours.

Total cured properties can generally be achieved at 77°F (25°C) after 24 hours of cure.

PHYSICAL PROPERTIES:

<u>HARDENERS</u>	<u>#100</u>	<u>#101</u>	<u>#102</u>
Ratio: parts of hardener used per 100 parts of resin	100/10	100/10	100/6
Pot Life: 100 gram mass	30	60	75 min.
Mixed Viscosity, cps (@ 77° F)	9500	9400	9800
Cured Density, gm/cc	1.80	1.78	1.80
Exotherm in 1 qt can, °F	350	270	220
Ultimate compressive strength, psi	25,000	22,000	23,800
Adhesion to Kirksite, tensile pull, psi	1,000	1,100	1,150
Shore D Hardness, ASTM-D-2240 (after 24 hours @ 75° F)	90 ± 5	90 ± 5	90 ± 5

HARDENERS

	<u>#100</u>	<u>#101</u>	<u>#102</u>
Shrinkage in./in (cast), ASTM-D-2566-69	.002	.0006	.0001
Ultimate Flexural Strength (psi), ASTM-D-638-72	9,800	10,000	10,200
Flexural Modulus (psi), ASTM-D-790-71	1.18 x 10 ⁶	1.20 x 10 ⁶	1.20 x 10 ⁶
Ultimate Flexural Strength (psi), ASTM-D-790	10,300	10,100	10,100

The values shown above are typical and not recommended for specification purposes unless practical tolerances or limitations are established with BJB Enterprises, Inc.

SAFETY:

These resin systems may cause skin irritation for some people. Avoid skin contact, use adequate ventilation. Wash skin with soap and water and use hand care products that maintain skin oils if hands become dried out. If splashed in eyes, flush with water and seek immediate medical attention.