Compression Mounting Compounds

Compression mounting compounds utilize heat and pressure to encapsulate a specimen. Buehler's compounds minimize shrinkage while protecting and preserving sample edges during the preparation process.

Wide Portfolio for Every Application

The choice of a mounting compound depends on the goals of the lab and requirements of final analysis. See below for the many different compounds that are available to meet the needs of a lab.

Excellent Edge Retention

EpoMet offers excellent edge retention making it ideal for processing very hard materials. The fine particle size of EpoMet F is great for intricate structures and penetration while the granular size of EpoMet G is easier and cleaner to use.

Quick Cycle Set-Up with No Mess

Save time and maximize cleanliness by eliminating the measuring and pouring of powder. Simply place a PhenoCure premold into the mounting chamber and the cycle is ready to begin.

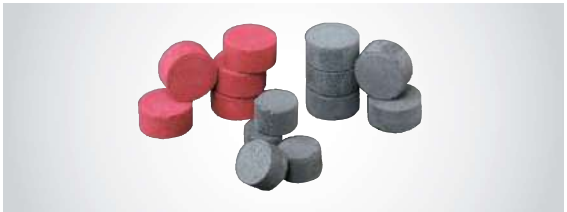
Material	Recommended Use	Color	Hardness (Shore D)	Edge Retention
PhenoCure™	General purpose metallography	Black, Red, Green	~88	Good
Diallyl Phthalate – Mineral Filled	Moderately hard material	Blue	~91	Better
Diallyl Phthalate – Glass Filled	Moderately hard material for etching	Blue	~91	Better
EpoMet™ G (Granular)	Very hard material	Black	~94	Best
EpoMet™ F (Fine)	Very hard material with complex geometries	Black	~94	Best
TransOptic™	When transparency of the mount is useful	Clear	~80	Good
KonductoMet™	SEM analysis when carbon is not the object of analysis	Black	~88	Good
ProbeMet™	SEM analysis when copper is not of interest. Great for Electropolishing	Copper	~94	Better

General Purpose Compounds

PhenoCure™ Powder

A wood-flour phenolic thermoset resin that provides good edge retention and moderate shrinkage.

Size	Black	Red	Green
5 lbs [2.3kg]	20-3100-080	20-3200-080	20-3300-080
25 lbs [11.3kg]	20-3100-400	20-3200-400	20-3300-400
40 lbs [18.1kg]	20-3100-500	20-3200-500	20-3300-500



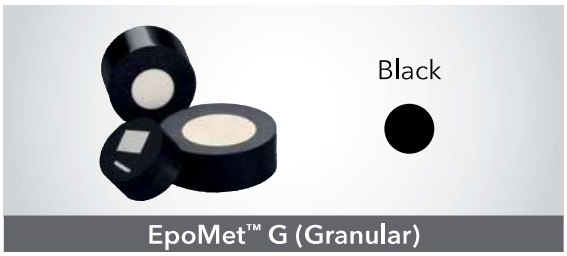
PhenoCure™ Premold

Premolds reduce mess and save time. Simply place the premold over the specimen in the mold cylinder. Premolds are sold 500/pack.

Size	Black	Red	Green
1in [25mm]	20-3111-501		
1.25in [32mm]	20-3112-501	20-3212-501	20-3312-501
1.5in [38mm]	20-3113-501	20-3213-501	20-3313-501
1.75in [45mm]	20-10090		

Visit www.buehler.com for ordering information.

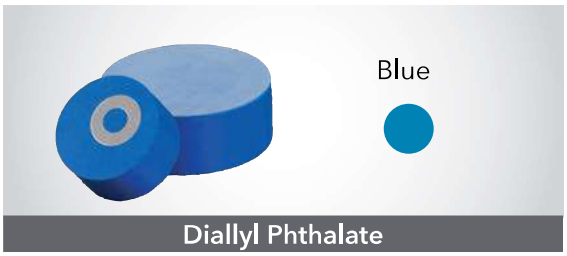
General Purpose Compounds



EpoMet™ G (Granular)

A mineral filled epoxy thermoset with excellent edge retention for mounting very hard materials.

20-3380-064 4 lbs [1.8kg]
20-3380-160 10 lbs [4.5kg]
20-3380-400 25 lbs [11.3kg]
20-3380-500 40 lbs [18.1kg]

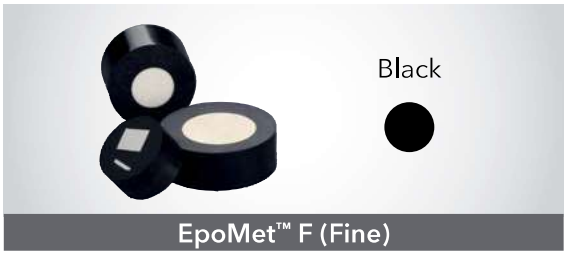


Diallyl Phthalate

A filled thermoset resin recommended for mounting moderately hard materials. Choose glass filled for etching or mineral filled for better abrasion resistance.

20-3330-080 Mineral Filled, 5 lbs [2.3kg]
20-3340-080 Glass Filled, 5 lbs [2.3kg]

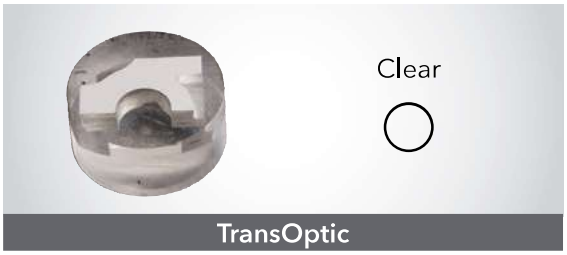
Specialty Compounds



EpoMet™ F (Fine)

A mineral filled epoxy thermoset with fine particles and excellent edge retention for mounting very hard materials with complex geometries.

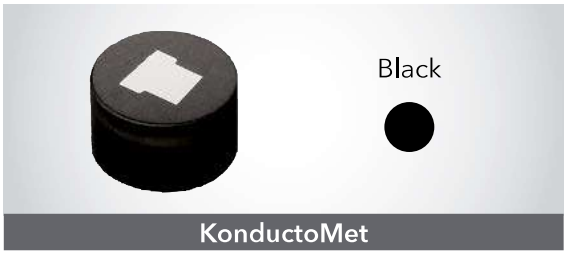
20-3381-070 4 lbs [1.8kg]
20-3381-160 10 lbs [4.5kg]
20-3381-400 25 lbs [11.3kg]



TransOptic

A transparent thermoplastic acrylic that allows the user to easily extract the specimen from the mount with reheating. Requires a special cooling cycle available on the SimpliMet™ 3000 or SimpliMet 4000.

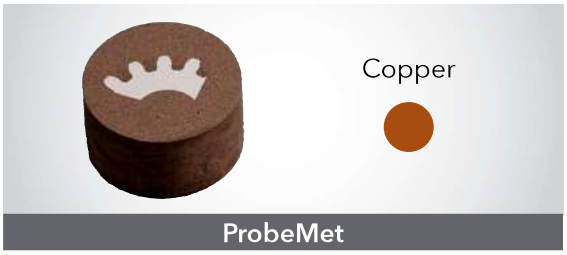
20-3400-080 5 lbs [2.3kg]



KonductoMet

A graphite and mineral filled phenolic thermoset recommended for SEM analysis of specimens when carbon is not the object of analysis.

20-3375-016 1 lbs [0.45kg]
20-3375-400 25 lbs [11.3kg]



ProbeMet

A copper and mineral filled phenolic thermoset recommended for SEM analysis of specimens when copper is not the object of analysis. Note: Can cause a Cu-Al galvanic couple on Aluminum specimen.

20-3385-064 4 lbs [1.8kg]