

Product Overview:

Mounting Material	General Characteristics	Best Used For	Advantages/Cautions
PhenoCure® 	<ul style="list-style-type: none"> • Wood-Flour Filled phenolic thermoset • Fast Cure • Moderate Shrinkage and Edge Retention • Available in red, black or green 	<ul style="list-style-type: none"> • General Metallography where edge retention and media hardness are not critical 	<ul style="list-style-type: none"> • Most Economical Choice
Diallyl Phthlate 	<ul style="list-style-type: none"> • Glass or Mineral (TiO₂) filled resin thermoset • Moderate edge retention • Low Shrinkage • Bright Blue Color 	<ul style="list-style-type: none"> • General Metallography where edge retention is not critical and a more abrasion-resistant media is desired 	<ul style="list-style-type: none"> • Least sensitive to pressure variations during curing • Glass filled version is better for etching • Mineral filled version is harder
EpoMet® 	<ul style="list-style-type: none"> • Mineral (SiO₂) filled epoxy thermoset • Available in G (Granular) or F (Fine) particle sizes • Best edge retention, highest hardness and abrasion-resistance in this class • Available in black 	<ul style="list-style-type: none"> • Preserving edge information such as decarburization or coating thickness • Mounting very hard materials such as hardened steel or ceramics 	<ul style="list-style-type: none"> • EpoMet® G Mounting Media is recommended for the best quality mounts in everyday metallography. • EpoMet® F Mounting Media is recommended for materials that have fine features that the smaller grains will flow around
ProbeMet® 	<ul style="list-style-type: none"> • Copper (Cu) and Mineral (SiO₂) filled epoxy thermoset • Conductive • Very good edge retention • Golden Color 	<ul style="list-style-type: none"> • Characterization of samples using SEM when Cu is not the object of analysis 	<ul style="list-style-type: none"> • Can cause a Cu-Al galvanic couple when vibratory polishing is performed on an Al specimen. In this case, use KonductoMet® Mounting Media.
KonductoMet® 	<ul style="list-style-type: none"> • Graphite and Mineral (SiO₂) filled phenolic thermoset • Conductive • Higher hardness than ProbeMet® Media • Moderate edge retention • Available in black 	<ul style="list-style-type: none"> • Characterization of samples using SEM when carbon is not the object of analysis 	<ul style="list-style-type: none"> • Use when Cu in the mounting media is not acceptable due to analysis of copper in the sample material.
TransOptic 	<ul style="list-style-type: none"> • Thermoplastic acrylic • Contains no filler • Transparent and relatively soft when properly cured 	<ul style="list-style-type: none"> • General metallography where edge information is not critical and where transparency of the mount is useful • Removal of samples from mount is necessary 	<ul style="list-style-type: none"> • Requires longer cycle times to fully cool, thus preventing the "cotton ball" effect

Compression Mounting Compounds

Material	Color	Filler	1 lb. (0.45kg)	4 lbs. (1.84kg)	5 lbs. (2.3kg)	25 lbs. (11.3kg)
EpoMet® F	Black	Fine Filled Epoxy		20-3381-070		20-3381-400
EpoMet® G	Black	Regular Filled Epoxy		20-3380-064		20-3380-400
PhenoCure®	Black	Wood Flour			20-3100-080	20-3100-400
PhenoCure®	Red	Wood Flour			20-3200-080	20-3200-400
PhenoCure®	Green	Wood Flour			20-3300-080	20-3300-400
ProbeMet®	Bronze	Copper		20-3385-064		
KonductoMet®	Black	Carbon	20-3375-016			20-3375-400
TransOptic	Clear	None			20-3400-080	
Diallyl Phthalate	Blue	Mineral			20-3330-080	
Diallyl Phthalate	Blue	Short-Glass Fiber			20-3340-080	



EpoMet® G Molding Compound (4 lbs) and PhenoCure® Green, Black and Red Thermosetting Powder (5 lbs)



ProbeMet® Conductive Thermosetting Molding Compound (4 lbs), KonductoMet® Conductive Filled Phenolic Mounting Compound (1 lb) and TransOptic Powder (5 lbs)



Diallyl Phthalate Short-Glass Fiber (5 lbs), and Diallyl Phthalate Mineral Filled (5 lbs)

PhenoCure® Premolds, Wood Flour Filled

Color	Quantity	1" (25.4mm)	1½" (32mm)	1¾" (38mm)	2" (50mm)
Black	500 bulk packed	20-3111-501	20-3112-501	20-3113-501	20-10090
Red	500 bulk packed		20-3212-501	20-3213-501	
Green	500 bulk packed		20-3312-501	20-3313-501	



Mounting

Compression Mounting Accessories

Description	1.6 oz (45g)	2 oz (3mL)	6 oz (0.17kg)	16 oz (0.47L) Refill	32 oz (0.95L) Refill	100 Quantity
Release Agent with Swab**		20-8185-002⚠		20-8185-016⚠	20-8185-032⚠	
Powdered Mold Release	20-3048					
MetCoat Protective Lacquer Spray			20-8190			
SamplKlip Stainless Steel Support Clip						20-4000-100
UniClip Plastic Support Clip						20-5100-100

⚠ Restricted article, requires special packaging ** Used for mold release and other mounting applications



Phenolic Premolds



Release Agent, 32 oz. (.95L) refill, 16 oz. (0.47L) refill and 2 oz. (3mL)



MetCoat Protective Lacquer Spray, 6 oz. (0.17kg)