Epoxy based acrylic polymer

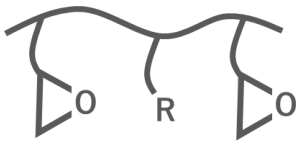
MARPROOF® G series

1 Feature of MARPROOF® G series

■ **MARPROOF® G series** are acrylic polymers having reactivity derived from epoxy group.

■ **MARPROOF® G series** have many grades with extensive Mw, Epoxy equivalent and Glass transition temperature (Tg).

■ **MARPROOF® G series** can increase mechanical strength by extending polymer chains and work well for recycled Polyester, polycarbonate, polyamide, and to name a few.



2 Product Information

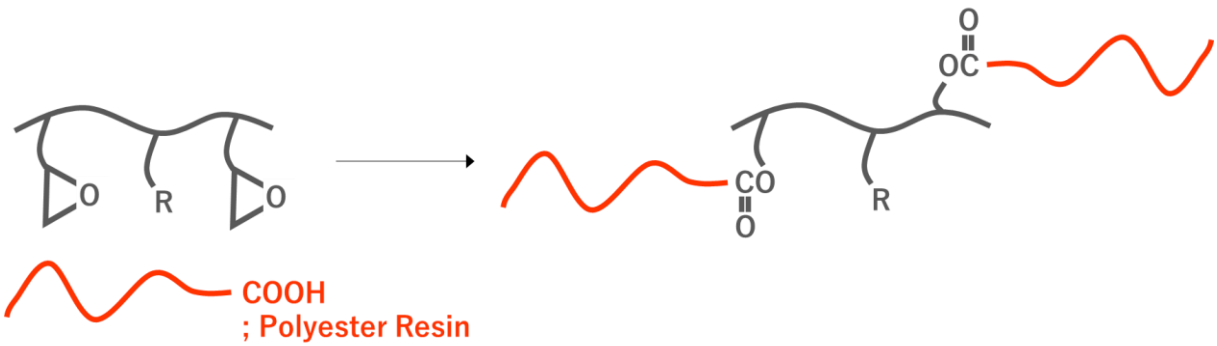
Product name[1]	Appearance		Polymer structure	Mw[2]	Epoxy equivalent[3] (g/eq)	Tg (℃/℉)
	Color	Shape				
MARPROOF® G-0105SA	White	Flake	Acrylic/Styrene	10,000	3,000	90/194
MARPROOF® G-1005SA	White	Powder	Acrylic/Styrene	100,000	3,300	96/205
MARPROOF® G-0130SP	White	Powder	Acrylic/Styrene	10,000	530	69/156
MARPROOF® G-0250SP	White	Powder	Acrylic/Styrene	20,000	310	74/165
MARPROOF® G-1005S	White	Powder	Acrylic/Styrene	100,000	310	74/165
MARPROOF® G-1010S	White	Powder	Acrylic/Styrene	100,000	3,300	98/208
MARPROOF® G-0150M	White	Powder	Acrylic	10,000	310	71/160
MARPROOF® G-2050M	White	Powder	Acrylic	200,000	340	74/165
MARPROOF® G-01100	White	Flake	Acrylic	10,000	170	47/117
MARPROOF® G-017581	White	Block	Acrylic	10,000	240	45/113

1) G-1005SA: Small-lot, G-1010S: Built-to-order, G-017581: Under development
2) Representative value
3) Calculated value

3 Benefits by MARPROOF® G series

① **MARPROOF® G series** can improve dispersion of inorganic pigment by adding into non-polar resins.

② Recycled resins such as Polyester, Polycarbonate and Polyamide can recover mechanical properties with 3-5% of **MARPROOF® G series**.



*MARPROOF is a registered trademark of NOF CORPORATION in JAPAN, U.S.A. and some other countries.

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