

TYPE

Curable, unplasticized phenolic resin

FORM OF DELIVERY (f.o.d.)

62 % in methoxy propanol (62MP)

USES

Colouring resin for gold lacquers and other, also waterborne systems.

PRODUCT DATA

Determined per batch:

Dynamic Viscosity (23 °C) [mPa.s]	1000 - 2250	DIN 53177
Non-Volatile Matter (1 h; 135°C; 2 g; n- butanol) [%]	60 - 64	DIN EN ISO 3251

Not continually determined:

Colour / Appearance	dark brown	VLN 250
Density (20°C) [g/cm ³]	1.05	DIN EN ISO 2811-2
Flash Point approx. [°C]	36	DIN EN ISO 1523

DILUTABILITY

white spirit	○	ethyl acetate	●
solvent	⊙	butyl acetate	●
naphtha			
xylene	⊙	methoxypropanol	●
acetone	●	methoxypropyl acetate	●
methyl ethyl ketone	●	ethanol	⊙
cyclohexanon	●	butanol	⊙

● = unlimited dilutability ⊙ = limited dilutability
 ● = substantial dilutability ○ = very limited or no dilutability

COMPATIBILITY

% PHENODUR® PR 308/62MP	90	75	50	25	10
% other binder	10	25	50	75	90
PHENODUR® PR 217, PR 285	●	●	●	●	●
PHENODUR® PR 307	●	●	●	●	●
PHENODUR® PR 401, PR 373	●	●	●	●	●
PHENODUR® PR 612, PR 722	●	●	●	●	●
Epoxy Resin Type #1 and Type #4	●	●	●	●	●
Epoxy Resin Type #7 and Type #9	●	●	●	●	●

● = definite compatibility ○ = very limited or no compatibility

DISTINGUISHING FEATURES

PHENODUR® PR 308 is technically comparable to PHENODUR® PR 307, but has a different chemical structure.

PROCESSING

Glycol ethers, diacetone alcohol and ketones are suitable solvents and diluents. A certain amount of aromatic hydrocarbons can be used as thinner.

PHENODUR® PR 308/62MP is used as colouring agent for combinations of the PHENODUR® grades PR 217, PR 285, PR 401, PR 411, PR 612, PR 722, PR 897, PR 899, VPR 1785 and VPM 1150 with high molecular weight epoxide resins and polyester resins as well as for combinations of PHENODUR® PR 373 and PR 371 with poly vinyl butyral types. PHENODUR® PR 308/62MP can also be used to tint modified epoxide systems like BECKOPOX™ VEM 2448. The amount added depends on the required "golden" shade, it should be not higher than 5 % (calculated on total solids). The phenolic resin content of the relevant combination should be maintained, making due allowance for the amount of PHENODUR® PR 308/62MP employed. Very small amounts of PHENODUR® PR 308/62MP can be ignored and do not effect mechanical and chemical film properties. The compatibility of PHENODUR® PR 308/62MP with benzoguanamine-, melamine- and urea- resins has to be tested case by case.

PROPERTIES AND USES

PHENODUR® PR 308/62MP has, being a specialty, a unique position in our product range.

STORAGE

At temperatures up to 25°C storage stability packed in original containers amounts to at least 365 days. The expiration date may be extended and COA updated after QC testing of retained samples, only for material in allnex possession.

U.S. Environmental Protection Agency restrictions and requirements

The importation, processing or use of this product in the United States of America is subject to a Significant New Use Rule (SNUR) issued by the U.S. Environmental Protection Agency (US EPA). Among other conditions, the SNUR prohibits the predictable or purposeful release of the product to waters of the U.S. from manufacturing, processing or uses and imposes certain notice and recordkeeping requirements. Please see 40 CFR 721.5905 [or 40 CFR 721.5908 as applicable] for further information. This product may also be subject to export notification under TSCA Sec. 12(b).

SAFETY AND HANDLING

Please consult the Safety Data Sheet (SDS) for safety, health, and environmental data available from allnex.