PHENODUR® PR 307/63X/MP

TYPE

Curable, unplasticized phenolic resin

USES

Colouring resin for gold lacquers

FORM OF DELIVERY (f.o.d.)

63 % in xylene/methoxy propanol (63X/MP)

PRODUCT DATA

Determined per batch:

Dynamic Viscosity (Ubbelohde) DIN 53177		
dynamic viscosity (23 °C)	[mPa.s]	1000 - 1700
Non-Volatile Matter DIN EN ISO 3251		
non-volatile matter analogue DIN EN ISO 3251 (1 h; 135 °C; 2 g; B)	[%]	61 - 65

Not continually determined:

Colour / Appearance VLN 250		
colour		dark brown
Density (Liquids) DIN EN ISO 2811-2		
density approx. (20 °C)	[g/cm³]	1,05
Flash Point DIN EN ISO 1523		
flash point approx.	[°C]	27

DILUTABILITY

white spirit	ß	ethyl acetate	a
solvent naphtha	â	butyl acetate	a
xylene	â	methoxypropanol	a
acetone	a	methoxypropyl acetate	a
methyl ethyl ketone	a	ethanol	â
cyclohexanon	a	butanol	â

a = unlimited dilutability
á = substantial dilutability
â = limited dilutability
ß = very limited or no dilutability

COMPATIBILITY

Phenodur PR 307 is, in sense-making ratios, compatible with most curable phenolic resins, with high molecular weigth epoxide resins, with urea- and melamine resins and with polyvinyl butyral.

PROCESSING

Glycol ethers, diacetone alcohol and ketones are suitable solvents and diluents. A certain amount of aromatic hydrocarbons can be used as diluents. Phenodur PR 307 can be added directly to the lacquers, preferably, the product should be pre-diluted.

Can coating

Phenodur PR 307 is used as colouring agent for combinations of phenolic resins with high molecular weight epoxide resins and for combinations of high molecular weight epoxide resins with amino-curing resins like melamine- or urea resins. Phenodur PR 307 is also suitable to tint waterborne systems, e. g. the amount added depends on the required "golden" shade, it should not be 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 307 employed. Very small amounts of Phenodur PR 307 can be ignored and do not influence mechanical and chemical film properties.

STORAGE

At temperatures up to 25 °C storage stability packed in original containers amounts to at least 365 days.

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).