PHENODUR® PR 909w/50WA

Technical Datasheet

TYPE

Water dilutable, thermosetting, plasticized phenolic resin

FORM OF DELIVERY (f.o.d.)

50 % in water (50WA)

PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219		
dynamic viscosity (25 1/s; 23 °C)	[mPa.s]	290 - 1490
pH-Value DIN ISO 976		
pH-value (10 %)		7,0 - 9,5
Iodine Colour Number DIN 6162		
iodine colour number slight opalescence possible		<= 100
Non-Volatile Matter DIN EN ISO 3251		
non-volatile matter (1 h; 125 °C; 2 g)	[%]	48 - 52

Not continually determined:

Colour / Appearance VLN 250		
colour		dark brown
appearance		clear
Density (Liquids) DIN EN ISO 2811-2		
density approx. (20 °C)	[g/cm³]	1,10
Flash Point (Pensky-Martens) DIN EN ISO 2719		
flash point	[°C]	> 100

SPECIAL PROPERTIES AND USE

Sole binder for the production of solvent-resistant interior coatings for non-food metal packaging goods. Application is done by roller- or spray coating. pH-value of a diluted paint (10 %) should be in the range of 8,0 - 8,5. Correction of pH-value is adjusted with dimethyl ethanol amine.

Baking condition: minimum 15 min / 200 °C.

STORAGE

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

Synthetic resins containing water may freeze or get inhomogeneous at temperatues below 0 °C. By this the product will not suffer any damage, but the necessary regeneration requires extended heat treatment at 40 - 50 °C with continuous stirring. It is therefore recommended to ensure frostproof storage of such products.
Lowest storage temperature: - 3 °C

DISTINGUISHING FEATURES

In comparison to Resydrol AM 410w, Phenodur PR 909w has a lower solvent content and better solvent resistance.