厚洹®
HOUHUAN

HR-820
Data Sheet
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• HR-820 Water-based gravure printing emulsion

• Product Data

Composition：

High molecular weight water-based acrylic polymer.

Typical Properties：

Glass transition temperature Tg: 40

Viscosity: 450 seconds (25℃; mpa.s)

PH value: 7

Acid value: 90

Molecular weight: 14500

Solid content: 40%

*, The values shown in this data describe typical properties and do not constitute specification limits.

• Applications

Special Features and Benefits：

High gloss, good fluidity, stable storage of color paste. Suitable for organic and inorganic pigments.

Recommended Use：

Used for the production of water-based color paste with high solid content. Suitable for gravure paper and plastic surface printing ink.

• Reference recipe

HR820 Emulsion	20	20	20	20	20
AMP-95	0.3	0.3	0.3	0.3	0.3
DM400 Dammar resin	5	5	5	5	5
3620 Wax powder	1.5	1.5	1.5	1.5	1.5
HH2011X Dispersant	2	2	2	2	1
HD440 Wetting agent	1	1	1	1	1
Carbon black	12				

PB15:3ph Thalocyanine blue BGS		12			
PR48：3red			12		
PY14# Permanent yellow 2GS				12	
Titanium dioxide					26
Anhydrous ethanol	24.7	24.7	24.7	24.7	11.7
Total	65	65	65	65	65

Grinding above, fineness D50: 2u

HR830 Resin	35	35	35	35	35
DC51	0.2	0.2	0.2	0.2	0.2
Total	100.2				

*It is recommended to add liquid first and powder later while dispersing and stirring, and grind evenly.

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