



CHEMPART[®] **150**
MILLING MEDIA

Balance Your Quality Equation

CHEMPART MILLING MEDIA 150



CHEMICAL PARTNERS

Balance Your Quality Equation

Milling Media 150

Chempart

Chempart 150 is a binder free innovative milling media, intended for producing high loading universal pigment concentrates. Chempart 150 is incorporated as a single component with the pigments and water, replacing all the additives in your classic formulation (dispersing, wetting, defoamer,).

Pigment concentrates produced with Chempart 150 exhibit strong tinting strength and bright shades in both water and solvent base decorative paints.

Features

- Higher pigments loading combined with lower viscosity
- Suitable for all types of pigments (organic, inorganic, carbon blacks)
- Improved color development and tinting strength
- Excellent stability
- Effective cost reduction

Applications

Pigment concentrates made by 150MM to be use in :-

- Decorative water and solvent base paint
- Water base flexo and gravure inks
- Textile printing

Compatibility

- Fully compatible with systems formulated with all water based binders (PVA homo and copolymers, styrene-acrylics and pure acrylics, polyurethanes).
- Fully compatible with solvent based systems formulated with long/medium/short alkyds.
- Limited compatibility with NC systems.

Milling Media 150

Starting Formulation for universal pigment concentrates with Chempart 150 (Milling Media).

	TiO ₂ treated rutile	Chrome oxide	Red Oxide Micronized	Brown Oxide Micronized	Yellow Oxide Micronized
Pigment loading	65%	65%	65%	60%	50%
Chempart 150 MM	30%	30%	30%	30%	35%
Water	5%	5%	5%	10%	15%

Results

Fineness	5-10 μ	5-10 μ	5-10 μ	10-15 μ	10-15 μ
Viscosity (S5, RPM 50 @25°C)	1320 c Poise	1064 c Poise	2350 c Poise	2040 c Poise	992 c Poise
Temp. after milling	30°C	29.9°C	30.4°C	34°C	30°C

	PR 48:2	PG 7	PY 1	PY 3	PB 15:3	Carbon Black Regal 200 Regal 400	
Pigment loading	40%	40%	40%	55%	40%	30%	30%
Chempart 150 MM	40%	40%	40%	45%	40%	45%	45%
Water	20%	20%	20%	5%	20%	25%	25%

Results

Fineness	5-15 μ	5-15 μ	5-15 μ	10-15 μ	10-15 μ	5-10 μ	5-10 μ
Viscosity (S5, RPM 50 @25°C)	672 c Poise	312 c Poise	1000 c Poise	976 c Poise	1368 c Poise	2000 c Poise	2000 c Poise
Temp. after milling	34°C	30.4°C	34.5°C	34.5°C	35°C	44.6°C	55°C





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