

Black Water-based Acrylic Nail Polish

Formulation F76-79

This pigmented water-based acrylic nail polish provides quick drying time, excellent wear and water resistance and also high gloss.

NAME	SUPPLIER	INCI NAME	% WEIGHT
Phase A			
SYNTRAN® 5620CG	Interpolymer	Styrene/Acrylates/Ammonium Methacrylate Copolymer	80.25
Phase B			
Finsolv® PG-22	Innospec Performance Chemicals	Dipropylene Glycol Dibenzoate	2.70
Dowanol™ PnB	Dow Chemical	Propylene Glycol n-Butyl Ether	4.95
SYNTRAN® KL 219CG	Interpolymer	Ammonium Acrylates Copolymer	1.35
Phase C			
Laponite® XLS (12.5% Aqueous Solution)	BYK	Sodium Magnesium Silicate	2.50
Phase D			
SYNTRAN® Black A	Interpolymer	CI 77266	8.25
			YIELD: 100.00

Procedure

Add SYNTRAN® 5620CG to a covered batch tank. In a separate vessel, premix phase B with appropriate agitation. Slowly add phase B to phase A with constant agitation. Stir for 30 minutes and avoid aeration. Separately prepare a 12.5% wt/wt aqueous solution of Laponite® XLS. Stir until it is clear and fully hydrated (at least hydrate for 1 hour). Add phase C to the batch. With constant agitation carefully add phase D ingredient Stir until batch is uniform.

Properties

Appearance: Black liquid

Viscosity: Brookfield DVE, Spindle # 2, 50 rpm, 200-300 cps

The suggestions and data included are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale. It is the buyer's responsibility to determine the suitability of the above formulation through quality control and field testing. Suggestions for uses of our products should not be understood as recommendations that they be used in violation of any existing or pending patents.

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