

Matt Black Finish for Automotive Plastic Components

Formulation No: C1 – 26, Status Code C

Ingredients	w/w	Supplier
Special Black 5	11.64	Degussa
Talc	2.26	
TS-100	1.64	Degussa
MPP 611	2.05	Micro Powder
Nuosperse 657	0.20	Harcross Durham Chemicals
Elvacite® 2010	8.41	Lucite International
CAB 381-0.5	6.77	Eastman
CAB 381-2.0	1.64	Eastman
SAIB	1.64	
MEK	19.49	
Toluene	21.95	
Ethyl Acetate	6.67	
MIBK	6.15	
Isopropanol	8.21	
Butyl Cellosolve	<u>11.28</u>	
	100.00	

Specification

Viscosity BS B5 cup @ 20°C	65-70 secs.
Density	0.84-0.92
Substrate	ABS
Adhesion	100%

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Thinner:

Xylene/DAA/Acetone/MIBK/Butyl Acetate (34/20/20/20/6 ratio)

The 1/1 blend of acrylic and CAB is often used for automotive exterior and interior requirements, having excellent durability and abrasion resistance. The two grades of CAB have different viscosity profiles and the blend is purely to achieve an application viscosity and solids. The MPP611 is a polyethylene wax, this improves the product's performance under crockmeter or taber abrasion testing. SAIB or sucrose acetate isobutyrate is an extremely useful plasticizer for plastic coatings, having excellent migration resistance. The talc/silica blend is an effective means to control gloss and maintain stability in a low solids and low application viscosity system (thinned material is likely to remain standing overnight).

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