

Abrasion-Resistant Spray Lacquer for Plastics

Formulation No: C1 – 8, Status Code A

Ingredients	w/w
Elvacite® 2041	1.25
Methyl Ethyl Ketone	11.84
Di isobutyl Ketone	5.90
Methyl isobutyl Ketone	11.78
"Bakelite" VYHH Vinyl Chloride Acetate Resin	3.73
Acetone	11.82
Xylene	17.73
Toluene	35.46
"Syloid" 378 Silica Hydrogel	<u>0.49</u>
	100.00

PVC		5.6 %
Solids	% w/w	5.5
	% v/v	3.4

Typical viscosity, #4 Ford cup, sec = 10

Abrasion resistance, weight loss, mg

50 cycles = 3.4
200 cycles = 7.5

This was tested at 20-23 micron film thickness on ABS plastic, using Taber Abrader with CS-10 wheel and 1000g load.

Preparation:

Dissolve Elvacite® 2041 and vinyl resin in Ketone solvents. Disperse silica and dilute with remaining solvents.

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