

Interpolymer offers
a suggested formulation for
Syntran[®] 5760.

- Volumizing Mascara

F-18-74

VOLUMIZING MASCARA
Formulation F-18-74-01.5760

<u>Phase</u>	<u>INCI Designation</u>	<u>Weight %</u>
A	Water (+3% of evaporation)	Water 51.00
A	Disodium EDTA	Disodium EDTA 0.10
A	Propylene Glycol	Propylene Glycol 2.50
A	TEA (99%)	Triethanolamine 1.40
A	Natrosol 250 HHR (Hercules/Aqualon)	Hydroxyethylcellulose 0.15
A1	Polyox WSR 205 (Amerchol)	PEG-14M 0.25
A2	Veegum K (Vanderbilt)	Magnesium Aluminum Silicate 1.75
B	Fancol VP (Fanning)	Limnanthes Alba Butyrospermum Parkii 3.00
B	Stearic Acid (Cognis)	Stearic acid 3.00
B	Tego-Care 450 (Degussa Care Specialties)	Polyglyceryl-3 methylglucose Distearate 2.00
B	Ozokerite T 319	Ozokerite 4.50
B	Beeswax white (Strahl & Pitsch)	Cera alba 5.25
B	Carnauba wax (Strahl & Pitsch)	Carnauba 4.00
B	Propylparaben	Propylparaben 0.20
B	Methylparaben	Methylparaben 0.25
B	Tinogard TT (Ciba Specialty Chemicals)	Tetradibutyl pentaerithrityl hydroxyhydrocinnamate 0.05
C	Syntran 5760 (Interpolymer)	Styrene/Acrylates/Ammonium Methacrylate Copolymer 10.00
D	Pigment A 401.30 Tudor Ebony (Kingfischer Colours)	C1 77499 Methicone 10.00
E	Phenoxyethanol	Phenoxyethanol 0.80
F	Aerosil 200 (Degussa AG)	Silica 0.50
G	Phytokeratin (Arch Personal Care Products)	Aqua/Hydrolysed corn protein/ Hydrolysed wheat protein/Hydrolysed soy protein 2.00
G	Germal II (Sutton)	Diazolidinyl urea 0.20
G	TEA (99%)	Triethanolamine 0.10
	YIELD:	103.00

Procedure

- Heat Phase A at 70°C homogenizing. Add A1 and A2 in sequence homogenizing after each addition until completely dispersed and heat at 80°C
- Melt Phase B at 80-85°C by stirring. Add Phase B to Phase (A+A1+A2) while homogenizing
- Cool to 70°C and add in sequence C and D while homogenizing after each addition
- Cool to 60°C and add in sequence E and F while homogenizing after each addition
- Cool to 40°C and add solution G (mixed) while homogenizing
- Cool to 25°C alternating stirring and homogenizing

Viscosity RVT Brookfield (25°C) – Sample 500 g

Helipath T-E 2.5 rpm: 1 000 000 mPa.s
5 rpm: 650 000 mPa.s

pH 7.7 - 8