ALFEEL[®]-SD

Soleo & Speciality Chemicals Div.

1 What is ALFEEL[®]?

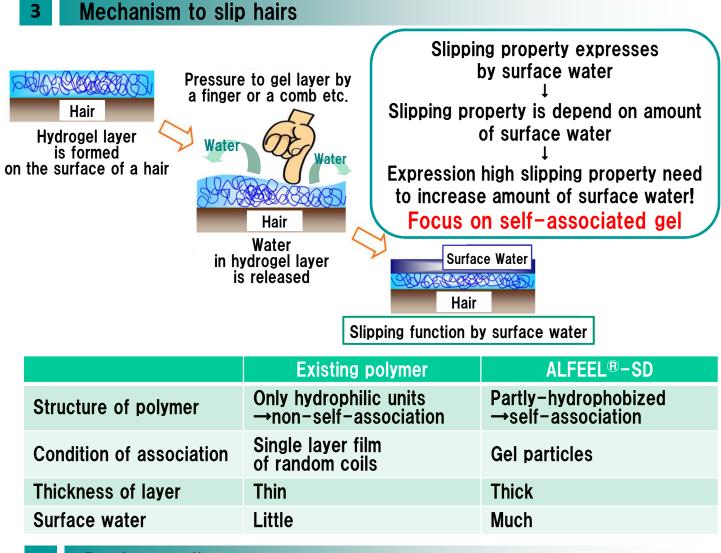
ALFEEL is polymer material for hair care whose feature is to form nanogel. It is made by application of polymer synthetic technique of LIPIDURE[®] that is famous for "biological compatibility".

2 The features of ALFEEL®

①ALFEEL forms nanogel particle by self-association and it can slip hairs in wet condition.

②ALFEEL is effective at low doses and it does not provide polymer-specific rough texture to hairs.

③ALFEEL is cationic polymer and it adsorbs to hairs highly.



4 **Product outline**

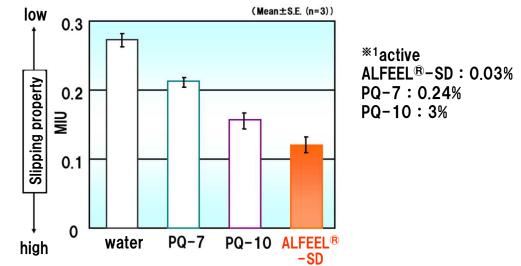
ALFEEL[®]-SD is 1wt% solution of polymer. And it also includes following ingredients. INCI name : polyqaternium-107, citric acid, sodium citrate, phenoxyethanol, water

5 Improvement effect of slipping property to wet hair

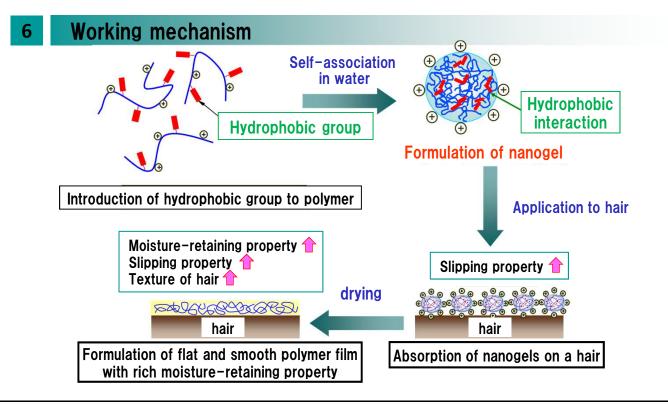
[Method]

①3wt% solution of ALFEEL®-SD, polyquaternium (PQ) -7, PQ-10 *1 are prepared as treated solution for hairs.

2Coefficient of kinetic friction (MIU) of artificial hairs is measured in condition that they are immersed in treated solution.



ALFEEL®-SD has a more improvement effect of slipping property than existing materials.



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