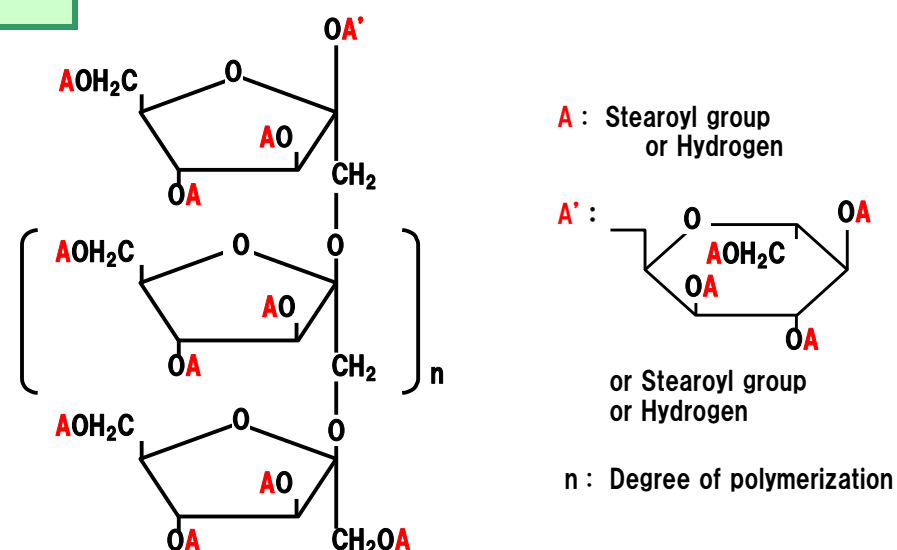


Product Name Rheopearl ISL2

Chemical Name Stearoyl Inulin

INCI NAME Stearoyl Inulin

Chemical Structure



Safety data

We don't have any data about Rheopearl ISL2. But we have safety data about Stearoyl Inulin (Trade Name: Rheopearl ISK) which is similar to Rheopearl ISL2 on chemical structure.

Patent Information

Original development of Stearoyl Inulin was done by Kose Corporation. Kose Corporation has several patent applications and granted patents concerning Stearoyl Inulin. Kose Corporation had granted the licensing and sub-licensing of above patents to Chiba Flour Milling and the customers of Rheopearl ISL2 under the agreement between Kose Corporation and Chiba Flour Milling Co., Ltd.

Manufacturer

Chiba Flour Milling Co., Ltd.
17, Shinminato, Mihama-ku, Chiba-city, Chiba 261-0002 Japan
Phone: 81-43-241-0108 Fax : 81-43-245-1781

Cometic Raw Material

Rheopearl ISL2



MAIN FUNCTION

Gelling of oils

Stabilization of emulsion system

Rheological modification of wax

Rheopearl ISL2



Chiba Flour Milling Co., Ltd.
17, SHINMINATO, MIHAMA-KU, CHIBA-CITY, 261-0002 JAPAN

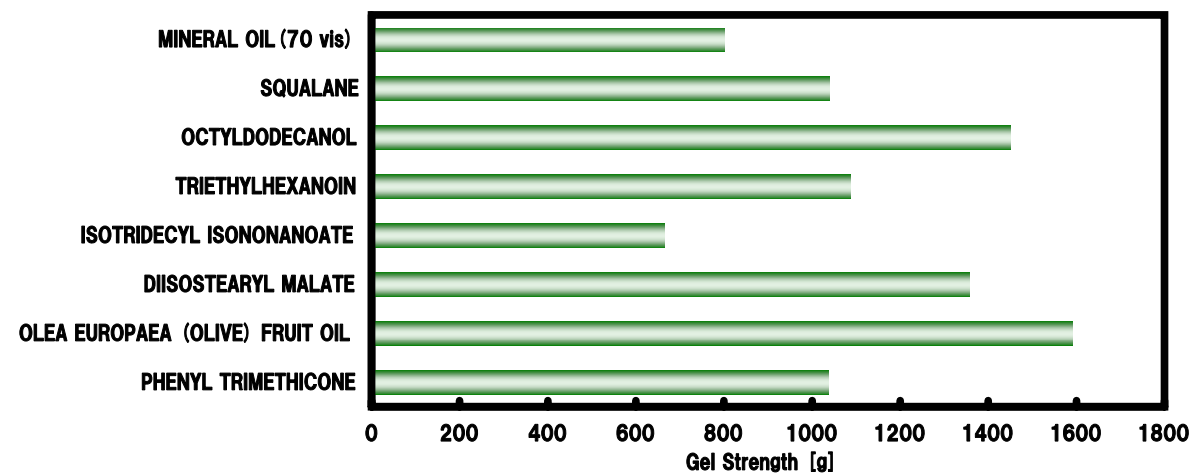
URL <http://www.chiba-seifun.co.jp>

MAIN FUNCTION

- Function 1 : Gelling of oils: hard white gel
- Function 2 : Stabilization of emulsion system
- Function 3 : Rheological modification of wax

Function 1 : Gelling of oils : hard white gel

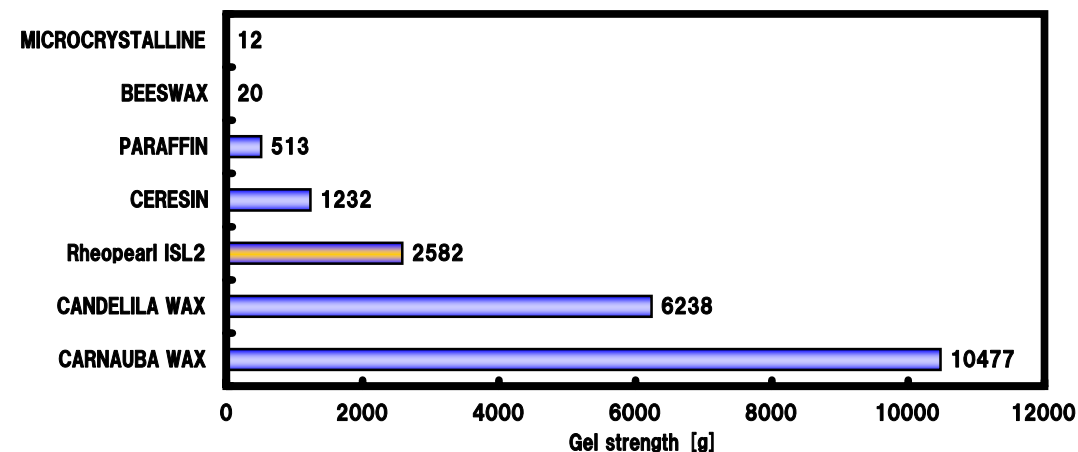
Gel strength of 10% Rheopearl ISL2 in oils



Hardness (g):
Measured at 25 degrees C by using Rheometer ϕ 20mm



Gel strength of 20% ISL2 or wax in Mineral oil (70vis)



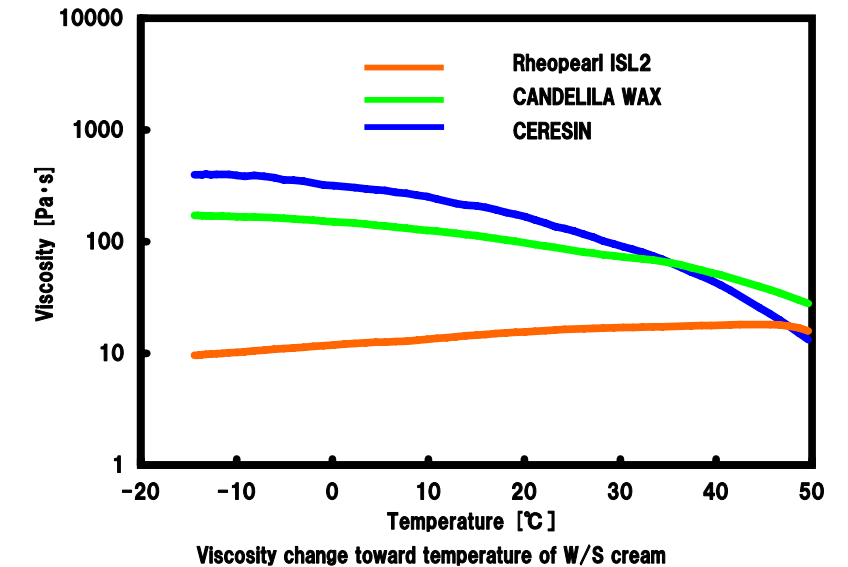
Hardness (g):
Measured at 25 degrees C by using Rheometer ϕ 1mm

Function 2 : Stabilization of emulsion system

W/O creams with low viscosity can be made by using Rheopearl ISL2 as a emulsion stabilizer.

Water in Silicone Cream

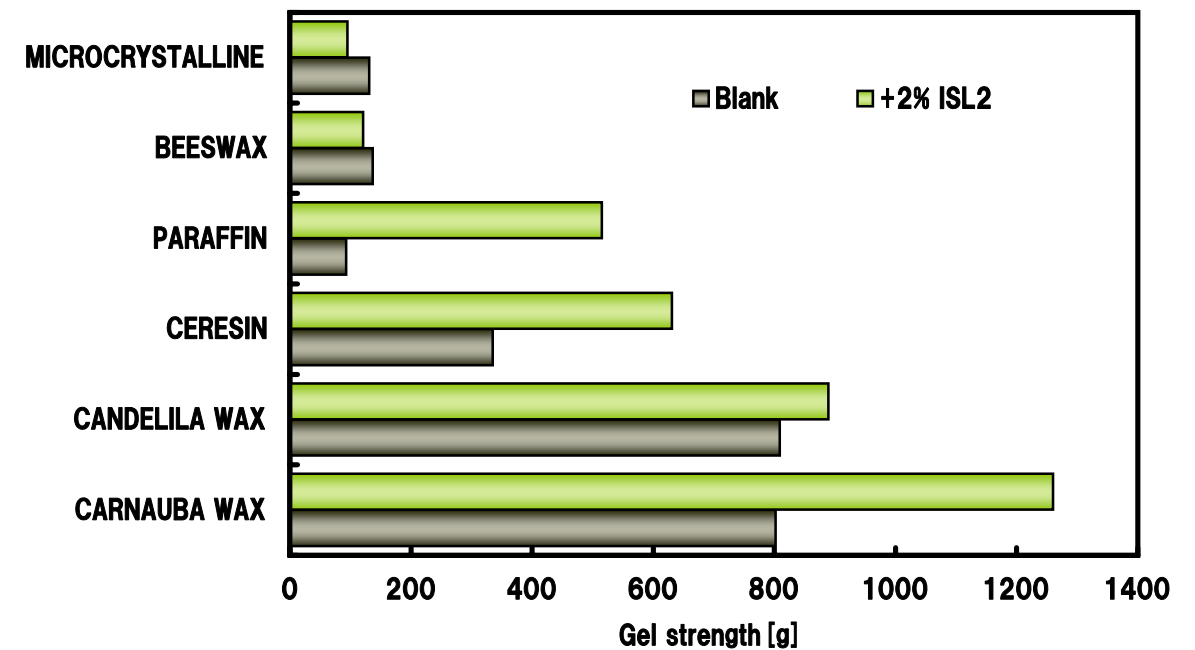
	WSL-1	Wax
Rheopearl ISL2	2.0	-
Wax	-	2.0
ISOTRIDECYL ISONONANOATE	5.0	5.0
DIMETHICONE COPOLYOL	2.0	2.0
CYCLOMETHICONE	20.0	20.0
SODIUM CHLORIDE	1.0	1.0
BUTYLENE GLYCOL	7.0	7.0
WATER	63.0	63.0
Total (wt/wt%)	100.0	100.0



Measured by : Modular Compact Rheometer MCR-100 (ANTON PAAR GmbH)
Strain 0.5%, Angular frequency 10s⁻¹, Sample thickness 1mm, ϕ 25mm parallel plate

Function 3 : Rheological modification of wax

Rheopearl ISL2 works as improver of texture, spreadability and wearing properties.



WAX: 40% TRIETHYL HEXANOIN: 60% Rheopearl: 2%
Hardness (g): measured at 25 degrees C by using Rheometer ϕ 3mm