



RiFine-Sx_{3/6/9}

Polyglycerol Stearate (PGS 3/6/9)

Description

RiFine-Sx_{3/6/9} is made from renewable raw materials derived from plant origin. It has versatile properties that improve a product's chemistry/processability.

Characteristic Values*

Properties	Units	AOCS Test Method	<i>RiFine-Sx₃</i> PG3S	<i>RiFine-Sx₆</i> PG6S	<i>RiFine-Sx₉</i> PG9S
Physical:					
Appearance	@ 25°C	Visual	Ivory Flakes	Ivory Flakes	Tan Flakes
Clarity molten form	Gardner Tube	Visual	Clear	Clear	Clear
Color molten form	Gardner Tube	Visual	5 Max	6 Max	8 max
Moisture	%	Ca 2c-25	1 Max	1 Max	2 max
Melting Point	@ 25°C	Cc-1-25	54 +/- 3	54 +/- 3	55 +/- 2
Emulsion. 5% disp. in hot water w/w	@ 25°C	Visual	Stable	Stable	Stable
Chemical:					
Acid Value	mg KOH/g	Cd 3d-63	6 Max	6 Max	2 max
Saponification. Value	mg KOH/g	Cd 3-25	120 - 140	145-160	94 – 103
Iodine Value	cg I ₂ /g	Tg 1-64	3 Max	3 Max	3 max
Hydroxyl Value	mg KOH/g	Cd 13-60	230 - 250	235-260	337 – 407
HLB	@ 25°C	Std. Formula	7 - 8	8-9	13

*Slight variations in the characteristic values stated are possible due to production made out of natural raw materials but it shall have no influence on its application functionalities.

Packing: In Bags (net wt. 25 kgs)

Shelf Life / Storage: Shelf life is 12 months from manufacturing date when stored in a cool place (< 35°C), in tightly closed packaging, protected from dust, heat, & moisture.

Applications

Industry: Personal Care	Key Role	Benefits
Creams	Emulsifier	Emolliency, Structure, Lubricancy
Lipsticks	Emulsifier	Emolliency, Structure, Lubricancy
Soaps	Emulsifier	Emolliency, Structure, Lubricancy
Shampoos	Emulsifier	Emolliency, Structure, Lubricancy

The information given in this leaflet is based on our own research & development work and is correct to the best of our knowledge. We recommend that the actual users should conduct their own tests to determine the suitability of our products for their end use. Users should refer to the MSDS and other relevant data for safe handling. Our Company shall not be responsible for any loss, injury, damage, and patent or law infringement, resulting from the use of this information.