

RiFine-Ox_{3/6/9}

Polyglycerol Oleate (PGO 3/6/9)

Description

RiFine-Ox₃ 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	RiFine-Ox ₃ PG3O	RiFine-Ox ₆ PG6O	RiFine-Ox ₉ PG9O
Physical:					
Appearance	@ 25°C	Visual	Yellow Liquid	Amber Liquid	Tan Viscous Liquid
Clarity molten form	Gardner Tube	Visual	Clear	Clear	Light Hazy
Color molten form	Gardner Scale	Visual	8 max	10 max	8 max
Moisture	%	Ca 2c-25	1 max	1 Max	2 max
Viscosity bubble sec	@ 25°C Gardner Tube	Cc-1-25	10 +/- 2	15 +/- 2	20 +/- 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	8 Max	2 max
Saponification. Value	mg KOH/g	Cd 3-25	149 - 150	145-160	70 – 80
Iodine Value	cg I ₂ /g	Tg 1-64	85 – 95	60-80	60 – 80
Hydroxyl Value	mg KOH/g	Cd 13-60	300 - 400	190-210	470 – 510
HLB	@ 25°C	Std. Formula	5 – 6	4-5	14

*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 Barrels (net wt. 200 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

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