



Innoleo[®] HCO

(hydrogenated castor oil)

SPECIFICATION

Appearance @ RT
Saponification value, mg KOH/gm
Iodine value
Acid value, mg KOH/gm
Melting point, °C
Gardner color
Hydroxyl value, mg KOH/gm
Density
% Moisture
Metal (Ni) ppm
% Unsaponifiable

PARAMETERS

Solid white to off white flakes
175 – 185
3 max
3 max
86 – 88
3 max
157 min
report
0.25 max
20 ppm max
1 max

Applications/Attributes

- 85-90% glycerol trihydroxy stearate
- Hard, brittle, natural biodegradable wax
 - flake and powder form
- Insoluble in most organic solvents
- Reactive hydroxyls
- Lubricants & grease
 - Lithium & calcium based grease
 - Buffing compounds
 - Wire drawing lubricants
- Plastics
 - PVC rigid compounds (pipe, conduit, window profiles)
 - Internal/external lubricant
 - Mold release agent
 - Phenolic resins
 - Grinding aid
 - Internal/external lubricant
 - Anti-block agent

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- Expanded polystyrene
 - Release agent
- Pigments
 - Dispersant
- Wax
 - Natural wax -a substitute for various paraffin waxes
 - Paraffin wax blends
 - Investment casting
 - Pencils and crayons
 - Polish formulations
 - Paper and linerboard coatings
- Paints & coatings
 - Thixotropic agent
 - Anti-sagging & anti-settling agent
 - Alkyd resins
 - Non-yellowing
 - Improves gloss and slip and mar resistance
 - Powder coatings
 - Improves gloss, slip & mar resistance and elasticity
 - Pigments
 - Dispersant
- Adhesives
 - Hot melt systems
 - Ethyl cellulose laminating, PE-PVA co-polymers, PVB, hot pick up labels, wax paper
 - Oil & grease resistance
 - Sharp melt and rapid setting characteristics
 - Reduces melt viscosity
- Personal care
 - Underarm deodorants
 - Creams & lotions
 - Lipstick