



UKD GROUP

Technical Data Sheet

VV[®] DuraGuard[®]

INCI Name: Hydrogenated Polycyclopentadiene (and) Isododecane

Revision 00

Effective from: April 2026

Description

VV[®] DURAGUARD[®] resin is a unique blend of Hydrogenated Polycyclopentadiene and Isododecane. After the evaporation of the Isododecane, the high molecular weight resin forms a highly durable film on the skin. It may be used in a wide range of personal care applications such as skin care, colour cosmetics, sun care, hair care, shower gels, antiperspirants and deodorants. Even after stretching and washing, the film formed by **VV[®] DURAGUARD[®]** resin remains smooth and undamaged. In sunscreens, **VV[®] DURAGUARD[®]** resin can enhance the SPF wash-off resistance.

Typical Properties

Property	Condition	Value
Appearance		Transparent to slightly hazy liquid
Specific Gravity	25°C	1.00 – 1.10
Viscosity (cps)	25°C	400 - 600
Refractive Index	25°C	1.40 – 1.42
% Volatiles	105°C, 1g, 2h	40 - 60

These figures are only intended as a guide and should not be used in preparing specifications.

Incorporation

VV[®] DURAGUARD[®] resin can be dissolved in different organic and silicone oils up to a concentration of 50% and more. To ensure the best film forming properties, it is recommended to use **VV[®] DURAGUARD[®]** resin in the oil phase of the formulation. **VV[®] DURAGUARD[®]** resin can also be added to an emulsion below 60°C.

Areas of Application

- Lip Products
- Make-up Products
- Creams/Ointments
- Sunscreens

Levels Of Use

5% – 50%

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Storage

VV[®] DURAGUARD[®] resin is volatile and should be stored in a tightly closed container in a cool and dry place. Store away from excessive heat. Shelf-life is 12 months from date of production.

Safety and Handling:

No special protection required while handling. Material Safety Data Sheet available on request.

Warning:

Flammable Liquid. Keep away from heat sources and naked flames.

Packaging:

Available in 20 Kg and 50 Kg Drums.

Disclaimer:

Customers must evaluate VV[®] DURAGUARD[®] resin and make their own determination as to fitness of use in their applications. The data and statements contained herein are based on our research and/or the research of others and are believed to be accurate. No guarantee of their accuracy is made however, and unless expressly stated in a written contract, the product(s) discussed herein are sold without conditions or warranties, expressed or implied. Purchasers are advised to make their own tests to determine the suitability of this product for their purposes. Nothing contained herein shall be construed as a recommendation to use or as a license to operate under or to infringe on any existing patent.