**Unlike many other silicone elastomers on the market, NuLastic Soft elastomers form crystal clear gels with organic sunscreens. With Isododecane as the carrier solvent, this elastomer gel goes on smooth and leaves your skin feeling dry to the touch.**

Category: Sun Care

**HS2-086: NuLastic Sunscreen Gel SPF 30**

|  |  |  |  |
| --- | --- | --- | --- |
| Ingredient | INCI | Supplier | W/W% |
| Phase A |  |  |  |
| NuLastic Soft ID-6 | **Isododecane (and) Divinyldimethicone/ Dimethicone Crosspolymer** | **Alzo International** | **74** |
| Phase B |  |  |  |
| Neo Heliopan 357 | Avobenzone | Symrise | 3 |
| Neo Heliopan HMS | Homosalate | Symrise | 5 |
| Neo Heliopan OS | Octisalate | Symrise | 5 |
| Neo Heliopan 303 | Octocrylene | Symrise | 5 |
| Bernel Ester DCM | **Dicaprylyl Maleate** | **Alzo International** | **7** |
| Phase C |  |  |  |
| Aerosil R202 | Silica Dimethicone Silylate | Evonik | 1 |
| Total |  |  | **100** |

**Manufacturing Procedure:**

1. In main beaker, add NuLastic and mix with prop mixer until smooth clear gel is formed (NuLastic elastomers can become “chunky” over time, but can easily be relaxed to a smooth gel with mixing. This is always recommended before adding to batch)
2. In side beaker, mix Phase B until Avobenzone is fully dissolved. Heat slightly if necessary, then allow to cool back to room temperature.
3. Slowly add Phase B to NuLastic elastomer with overhead mixing until the sunscreen phase is completely absorbed and there is no pooled liquid
4. Add Phase C, mix until uniform & smooth, then drop batch

**Alzo Product Benefits:**

**Bernel Ester DCM** – lightweight, naturally derived ester with excellent powder sunscreen solvency. A great, less shiny alternative to synthetic sunscreen emollients

**NuLastic Soft ID-6 –** 6% active silicone elastomer in volatile carrier for soft feel and soft-focus effect. Able to make crystal clear gels with sunscreens.