

# ASACLEAN™ PURGING COMPOUND

## TECHNICAL DATA SHEET

### UF2 GRADE

Mechanical Purging Compound for Injection Molding & Extrusion

#### Packaging



UF2 Grade is available in:

- 250 lb. poly-bags (pictured above)
- 1,500 lb. gaylords



PICTURED: Close-up of UF2 Grade

#### Description & Benefits

- Suitable for blown/cast film extrusion applications
- Can be purged through die without removing it
- Excellent compatibility with PE resins
- Effectively removes gels and contamination that is not carbonized
- Cleaning for polyethylene color/material changes
- Holds a bubble in blown-film
- No chemical reaction
- No soak time required

#### Usage Information

|                           |  |
|---------------------------|--|
| <b>Temperature Range:</b> | 170°C to 320°C (340°F to 610°F)  |
| <b>Minimum Clearance:</b> | Requires 0.01 mm (0.0004") clearance for hot runner gates and extrusion dies; 200-mesh is required for extrusion screen packs when only 1 layer of mesh is used. |
| <b>Amount of Purge:</b>   | Typically 1-2 system capacities (actual amount depends on degree of contamination)   |
| <b>Applications:</b>      | <b>Injection Molding</b> - including hot runners<br><b>Extrusion</b> - profile, sheet, blown film, cast film & compounding                                       |
| <b>Types of Resin:</b>    | Purging to and from polyethylene-based resins within the processing temperature range  |

#### Physical & Chemical Properties

|                                  |   |
|----------------------------------|---|
| <b>Physical Form:</b>            | Solid   |
| <b>Shape:</b>                    | Pellets   |
| <b>Color:</b>                    | Transparency and white are mixed  |
| <b>Water Solubility:</b>         | Insoluble   |
| <b>Other Solvent Solubility:</b> | Insoluble for organic solvent under normal temperature  |
| <b>Stability:</b>                | Stable under normal temperatures  |
| <b>Reactivity:</b>               | Non-reactive under normal handling and storage conditions   |
| <b>Conditions to Avoid:</b>      | Do not exceed recommended temperature range.<br>Do not allow ASACLEAN UF2 Grade to reside in barrel for more than 30 minutes at temperatures higher than 280°C (535°F). |

#### Product Safety

Refer to Safety Data Sheets for more information

**Have a Question?** Visit [asaclean.com](http://asaclean.com) or call 800.787.4348 to speak with a purging expert.

Form #: TDS-UF2  
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#### Key Measurements

#### Value

|                           |                                 |
|---------------------------|---------------------------------|
| <b>Specific Gravity:</b>  | 0.95 at 23°C (73°F)             |
| <b>Softening Point:</b>   | 130°C to 135°C (266°F to 275°F) |
| <b>Flashpoint:</b>        | 380°C (716°F)                   |
| <b>Autoignition Temp:</b> | 400°C (752°F)                   |

Please Note: The above data should be used for reference only.