



Mold Release Recommendations

DESCRIPTION

AFLAS[®] requires a slow cure speed and therefore some stickiness on the mold can result. This document explains how to avoid mold release issues.

KEY TOPICS

- AFLAS must be **cured well** to avoid mold release issues.
- A **chrome-plated mold** is recommended.
- Using a **mold release agent** is recommended.
- Adding a **processing aid** is recommended.

RECOMMENDED MOLD RELEASE AGENT

AGC Chemicals recommends using **TraSys[®] 9825** to treat mold before molding. In case it is needed to be silicone free, **TraSys[®] 818** is recommended. Other mold releases may be effective, but these are the two selections that worked well in our laboratory conditions.

RECOMMENDED PROCESSING AIDS

- It is recommended to use **Sodium Stearate (St-Na)** as a processing aid. Other recommended processing aids are **Struktol[®] WS-280, Struktol[®] HT-290, or Carnauba wax**.
- All processing aids must be added at most 2phr (parts per hundred rubber).
- If extremely low swelling is required, less than 5% to Steam or Hot water environments, it is recommended to use to Calcium Stearate (St-Ca) instead of St-Na.
- If at any time you have questions or concerns about a specific application, please contact your account manager for assistance.

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AFLAS[®] technical bulletin

NOTE: The data listed here represents typical values for the stated grades of AFLAS[®] fluoroelastomers. This information should be used as a guide only and not to establish specification limits or design criteria. AGC Chemicals Americas assumes no obligation or liability for any advice furnished by us or for results obtained with respect to this product. All such advice is provided free of charge and the buyer assumes sole responsibility for results obtained in reliance thereon.

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