



## Navigation



## Extrusion 1-0-Wiki Pages

- [Main Page](#)
- [Best Papers](#)
- [Book Reviews](#)
- [Consultants Corner](#)
- [Extruder Software](#)
- [Extrusion Hints](#)
- [Safety](#)
- [Shop Tools](#)
- [Sponsors](#)
- [Technical Articles](#)

## Search the Wiki


»

## Viewing/Creating

- [Random Page](#)
- [Create a new Page](#)
- [All Pages](#)
- [Categories](#)

## Account Management

- [Login/Logout](#)
- [Language Selection](#)
- [Your Profile](#)
- [Create Account](#)

## Administration


- [Administration](#)
- [File Management](#)

## Brought to you by:

The SPE Extrusion Division  
Board of Directors



## Screw Performance

Modified on Sunday, 01 February 2015 05:04 PM by [mpieler](#) Categorized as [Extrusion Hints](#)   
(10) » [Silicone Grease](#) » [Melt Pressure](#) » [Screw Performance](#)

Screw Performance  
Vol. 17 #3, Dec. 1990


Evaluate your screw's performance every time you pull your screw by inspecting the appearance and cleanliness of the flights. Look for areas of excessive wear or discoloration indicating excessive frictional heating. Then modify the barrel profile to decrease pressure in the section by increasing temperatures.

If the performance is okay, run the new profile and reinspect the screw at the next pulling to see if you have changed the wear rate. Keep records.

## See also:

- [Computer simulation](#)
- [Document/Document/Document](#)
- [Extruder log book](#)
- [Plot extruder performance](#)
- [Screw inspection](#)
- [Screw design](#)
- [Screw specifications](#)
- [Screw wear](#)
- [Worn screw](#)

Return to [Extrusion Hints](#)

Some of the icons were created by [FamFamFam](#) .