

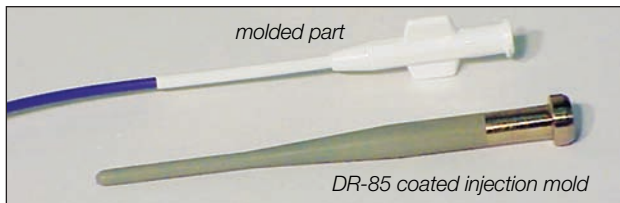
# Low PFOA PTFE Coatings

Great news!...there's a new, environmentally friendly formulation—**DR-85!**

RothGreaves & Associates is the exclusive applicator for DR-85, a low PFOA special purpose polytetrafluoroethylene (PTFE) that provides the same tough finish and exceptional release characteristics as the old DR-55 formula but without the High PFOA.

## Applications of DR-85 include:

- used in manufacturing applications that require a high-temperature, durable, non-stick finish.
- cured coating is biocompatible and passes all Class VI testing and is suitable for tooling used in all food contact products and medical device manufacturing.
- cured coating has exceptional release properties useful in bonding and molding operations.

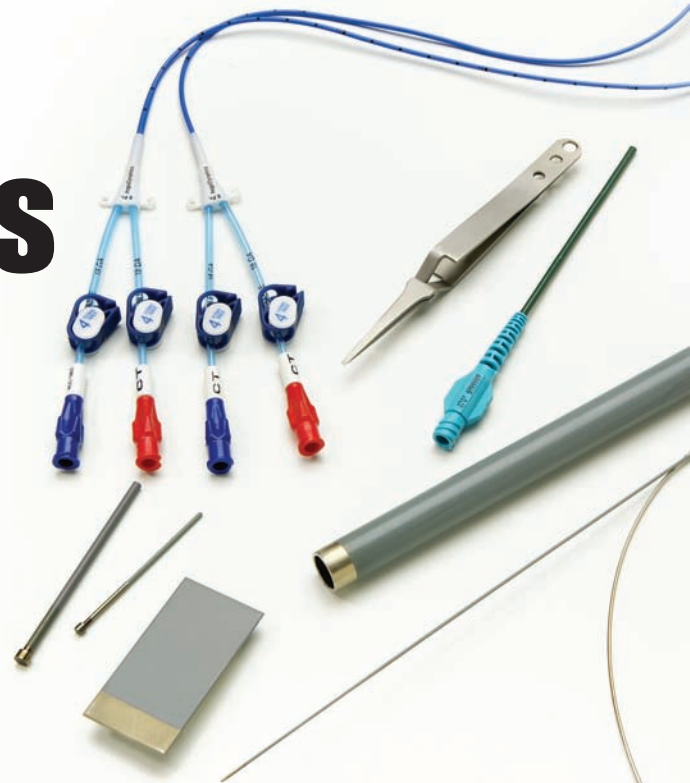


- applications include but are not limited to: injection molding core pins, bonding fixtures and mandrels for joining plastics, laboratory ware, sporting goods, and food processing.

## Characteristics of DR-85 include:

- DR-85 can withstand heat up to 600° F.
- typical coating thickness is 0.0003"
- DR-85 coating has excellent adhesion to most metal substrates including stainless steel, tool steel, titanium, aluminum and Nitinol.\*
- DR-85 is resistant to most solvents. Some strong acids or bases may cause deterioration of finish.
- DR-85 can be reapplied to metal substrates after removal of residual coating.

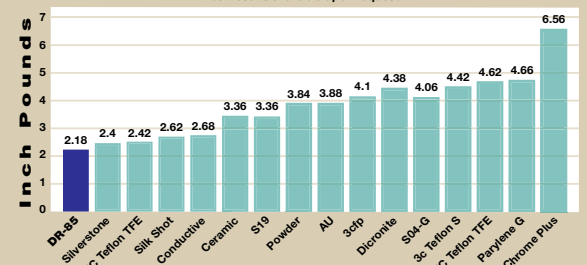
\*DR-85 DOES NOT apply well to copper, brass, or bronze



- DR-85 has proven to outlast and out perform virtually all other coatings on the market today. (See comparison tests below).

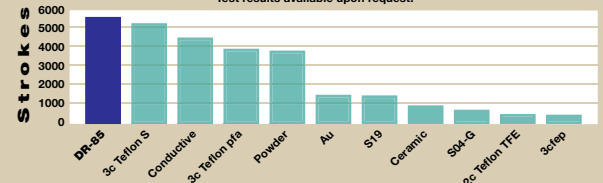
## DR-85 Friction Comparison Test

@ 64 psi with .500 dia. neoprene dragging over coated surface.  
Test results available upon request.



## DR-85 Abrasion Comparison Test

19 oz pushing .250 dia. ball bearing repeatedly a distance of 4.125 until worn through.  
Test results available upon request.



**CAUTIONS:** DR-85 requires high temperature curing throughout the application process. Be aware that elevated temperatures can cause undesirable changes in some metal substrates and their relative behavior.

**DR-55 and DR-85 material formulation and application processes are the property of RothGreaves & Associates, Inc.**

**For more information call 1-952-404-2604 or visit [www.rothgreaves.com](http://www.rothgreaves.com).**

RothGreaves