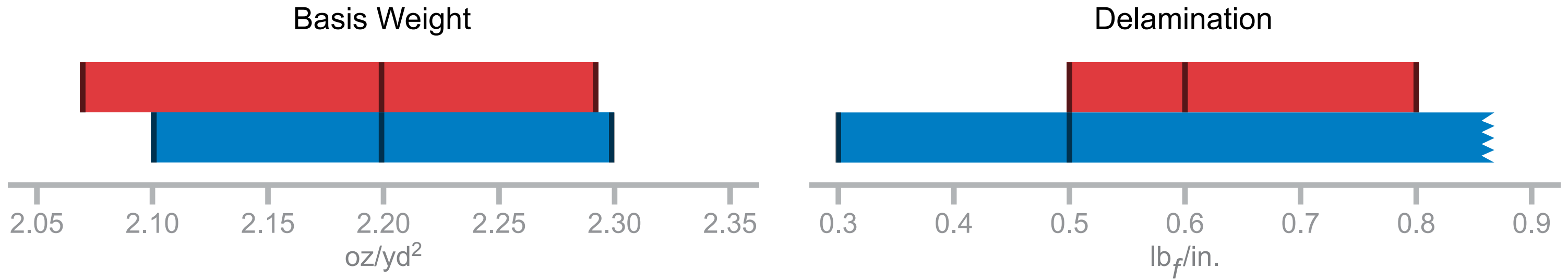




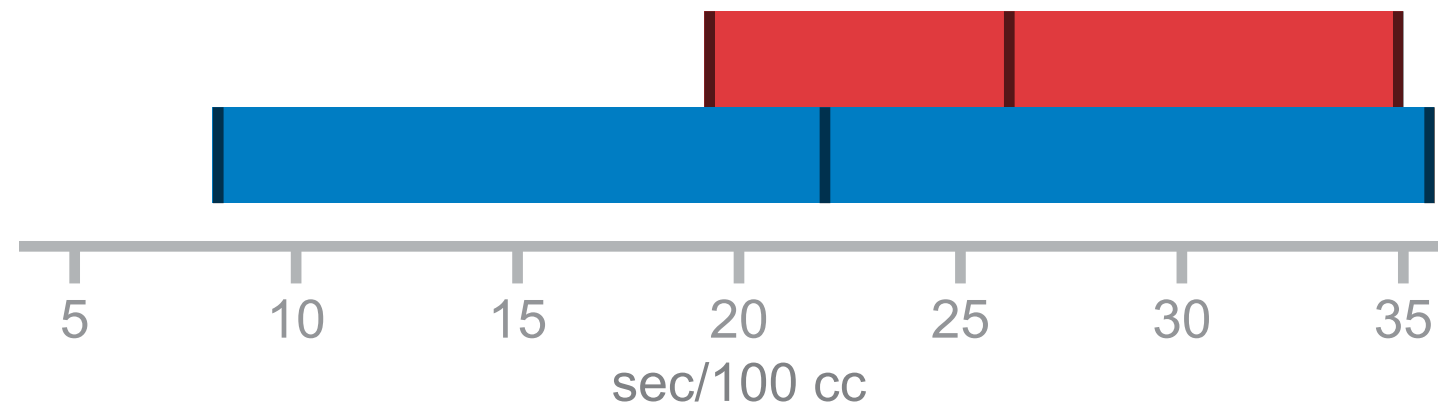
**Tyvek®**

**DATA FROM DEVELOPMENTAL MATERIAL  
TESTING AS OF SEPTEMBER 2012 DEMONSTRATES  
EVIDENCE OF FUNCTIONAL EQUIVALENCE.**

# 1073B Developmental Materials



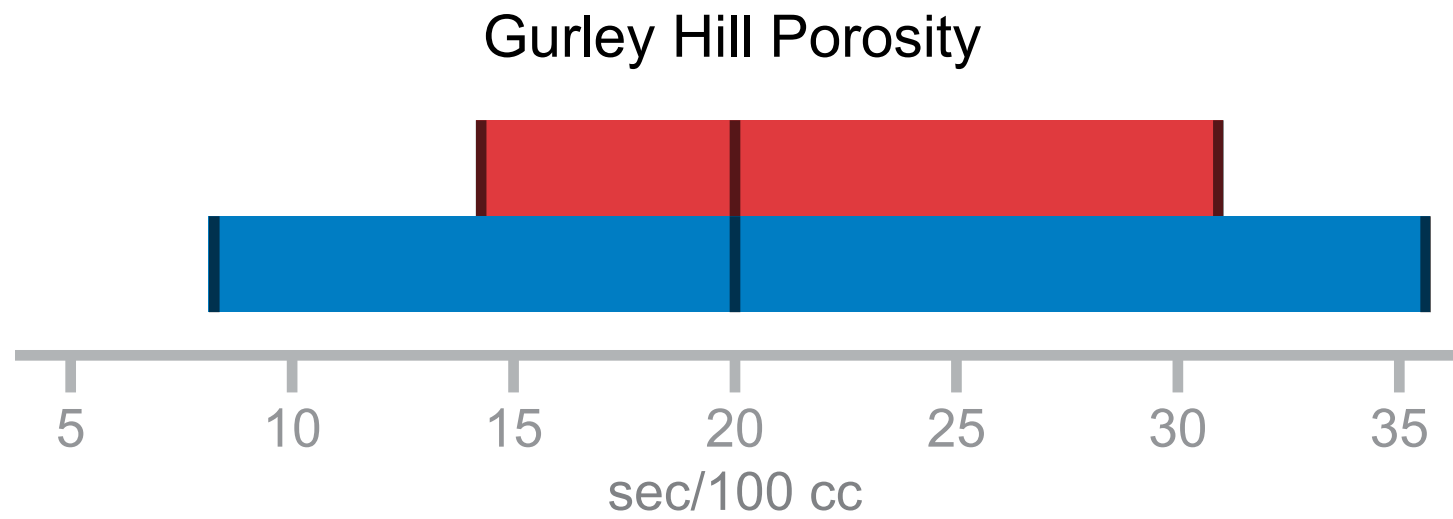
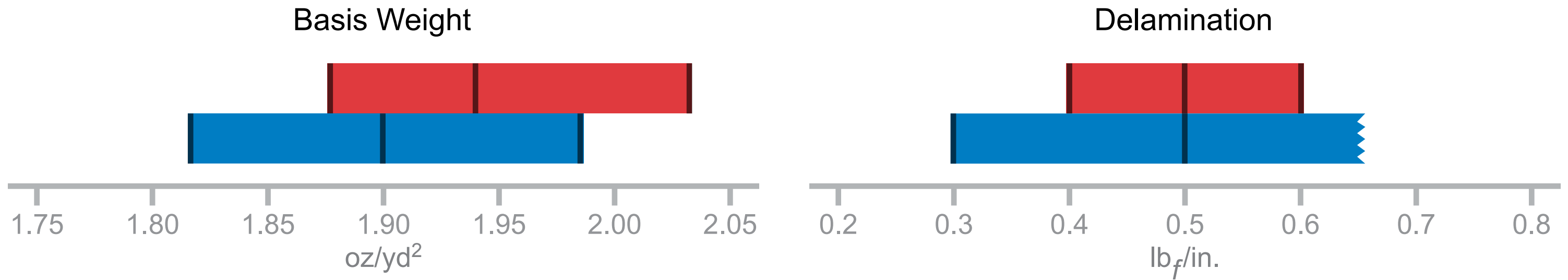
## Gurley Hill Porosity



 Target       Developmental

Developmental values represent data from 30 rolls across different line and polymer combinations.

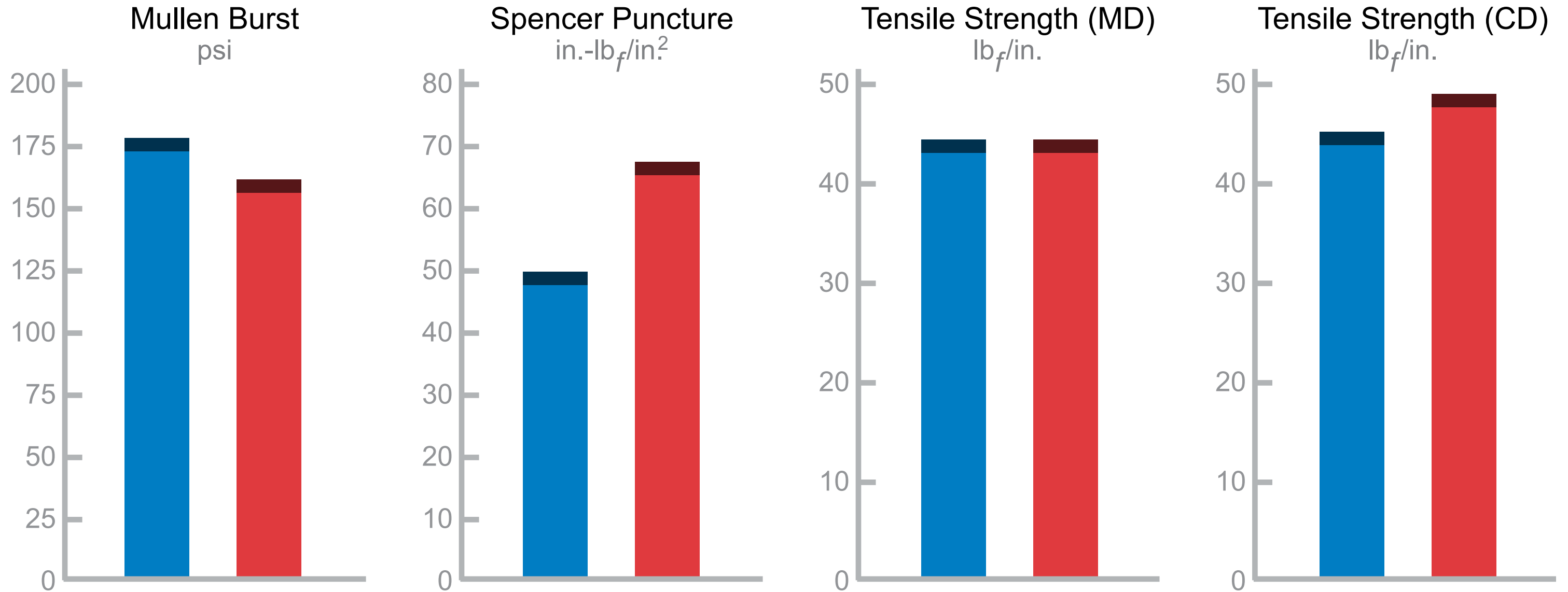
# 1059B Developmental Materials



 Target       Developmental

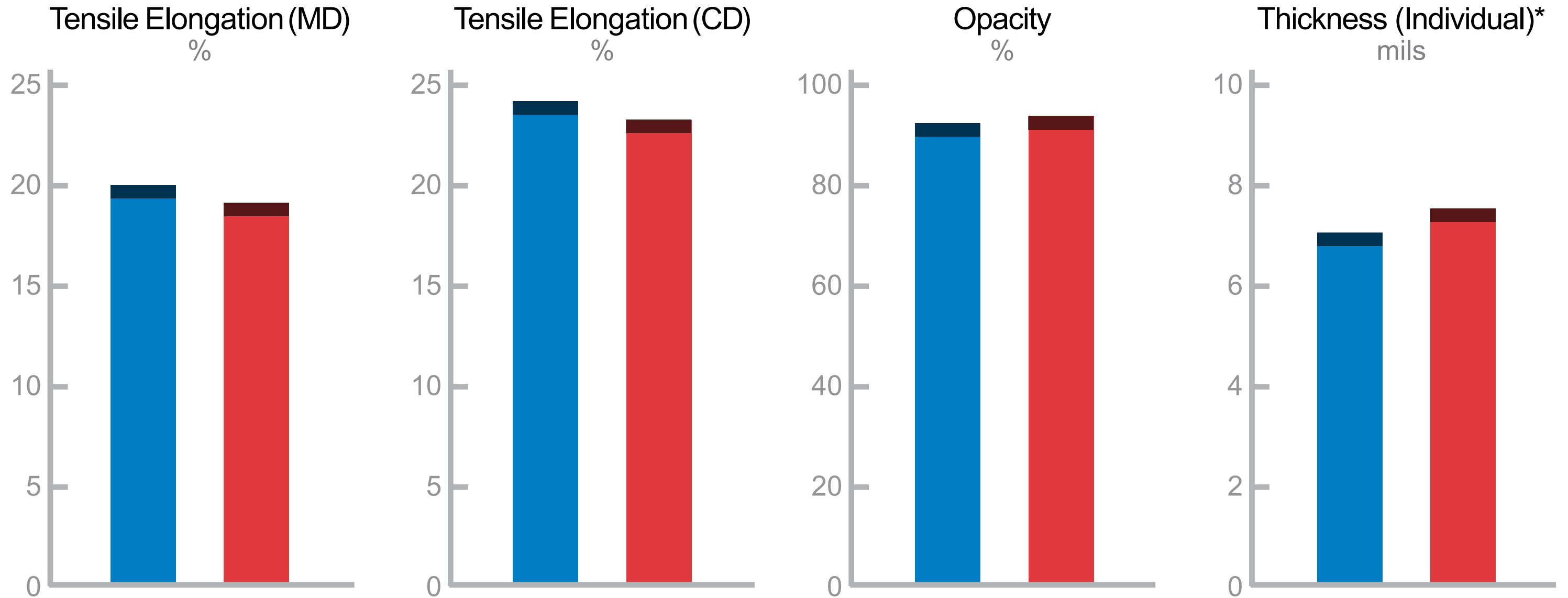
Developmental values represent data from 20 rolls across different line and polymer combinations.

# 1073B Developmental Materials



Developmental values represent data from 30 rolls across different line and polymer combinations.

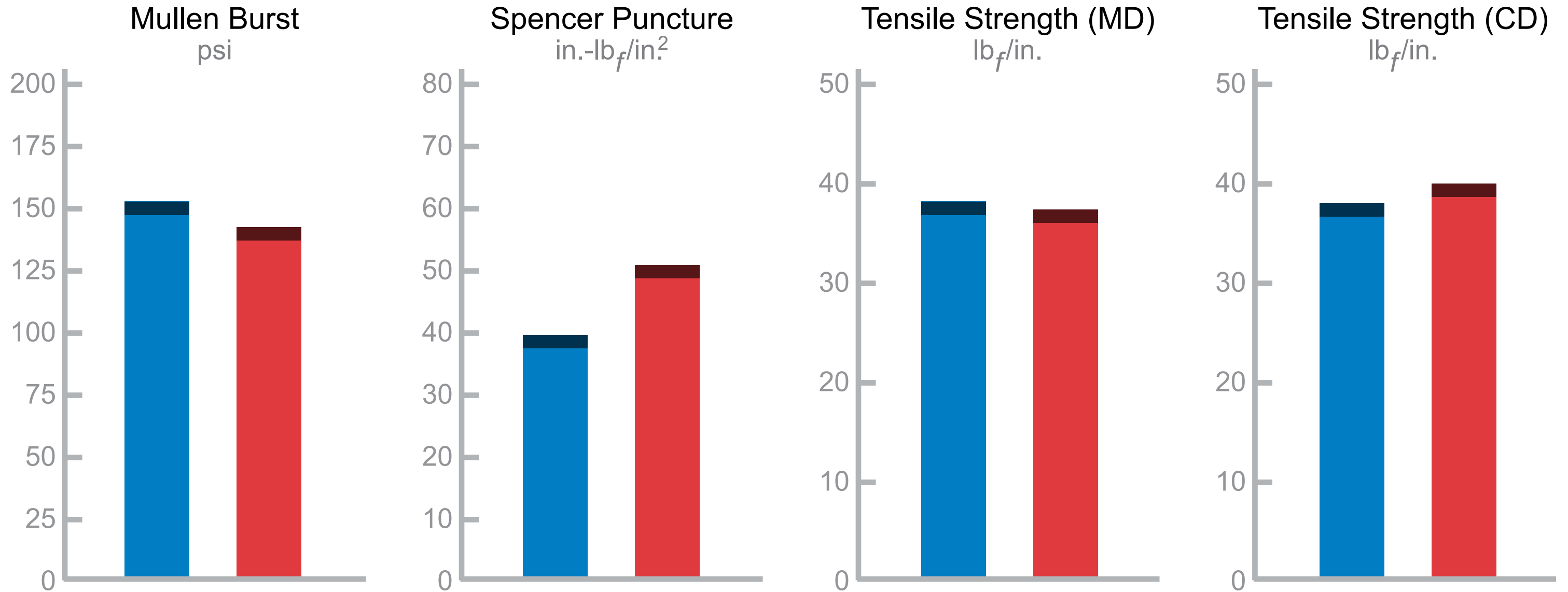
# 1073B Developmental Materials



Developmental values represent data from 30 rolls across different line and polymer combinations.

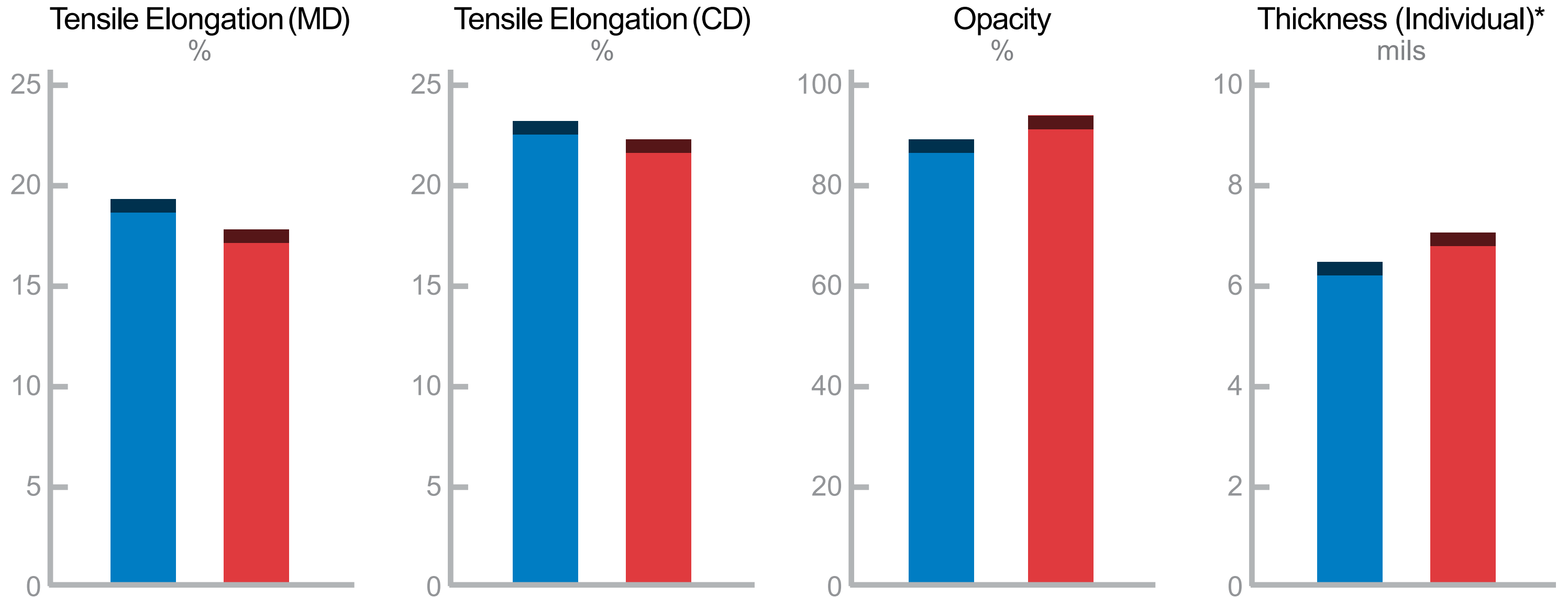
\*Thickness variability target is equal to or less than incumbent product.

# 1059B Developmental Materials



Developmental values represent data from 20 rolls across different line and polymer combinations.

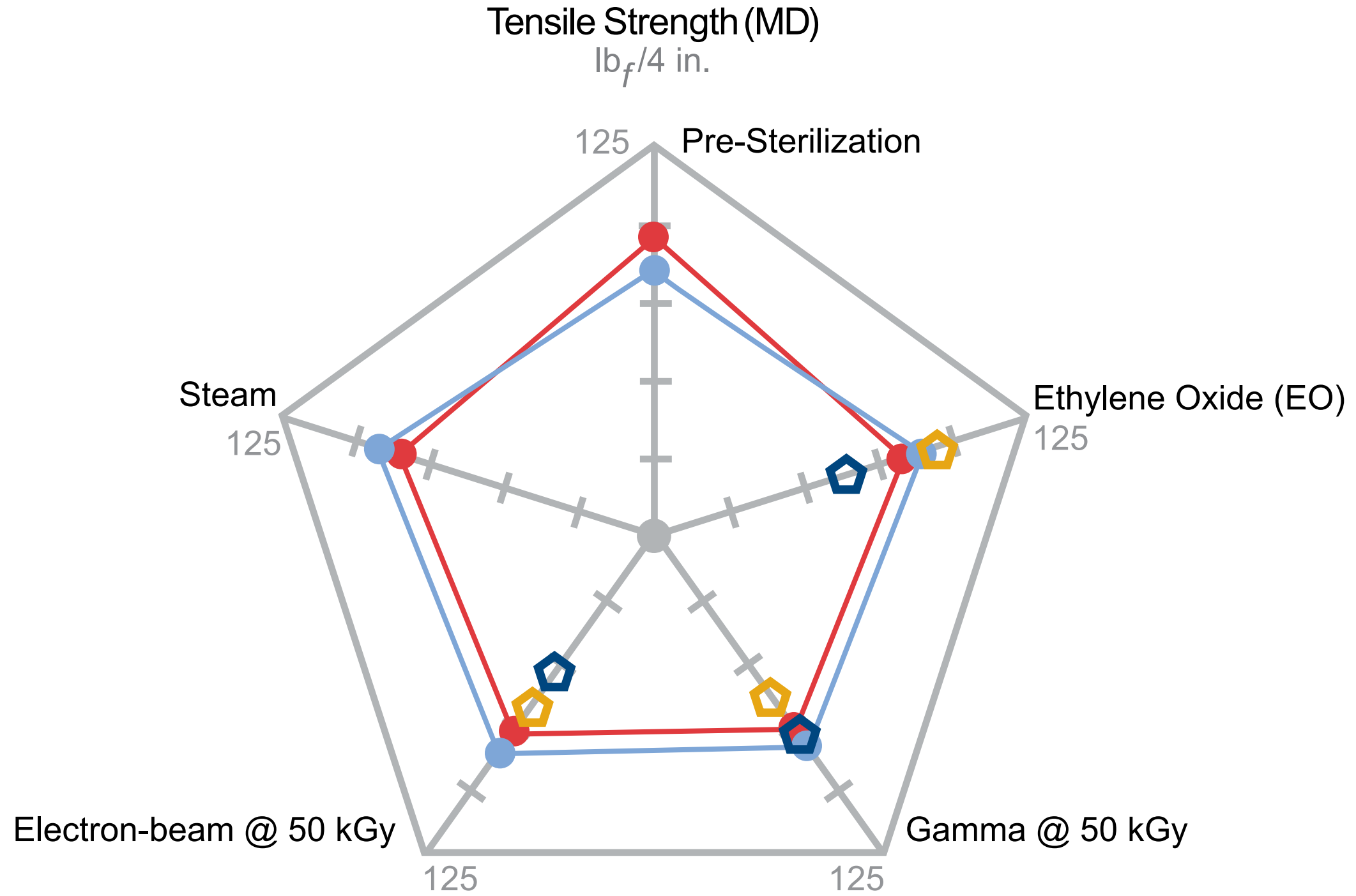
# 1059B Developmental Materials



Developmental values represent data from 20 rolls across different line and polymer combinations.

\*Thickness variability target is equal to or less than incumbent product.

# 1073B Developmental Materials vs. Control Material



● Developmental

● Control

⬠ Developmental: 1 year accelerated aging

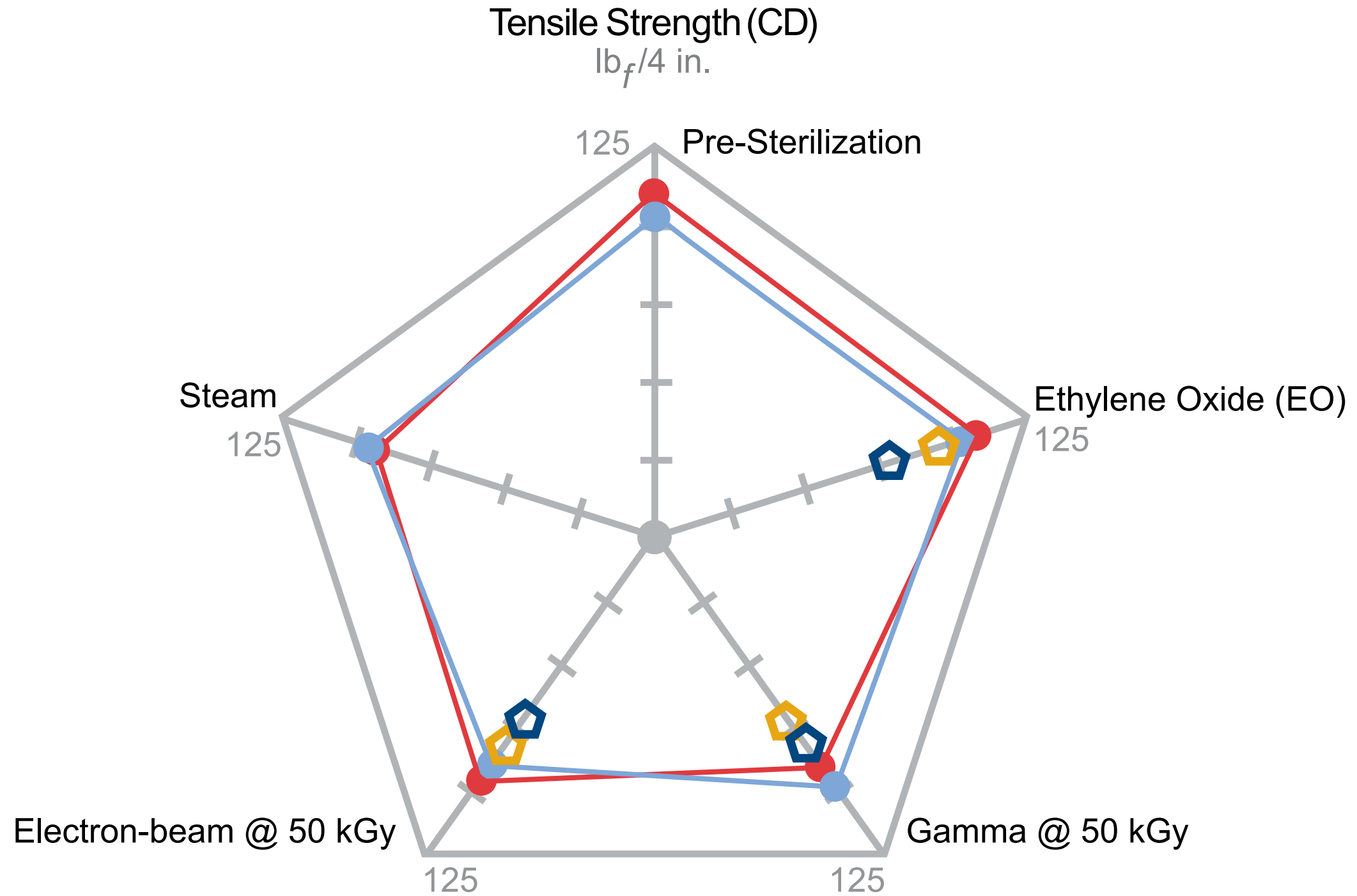
⬠ Control: 1 year accelerated aging

ASTM D5034

Control = DuPont™ Tyvek® 1073B



# 1073B Developmental Materials vs. Control Material



● Developmental

● Control

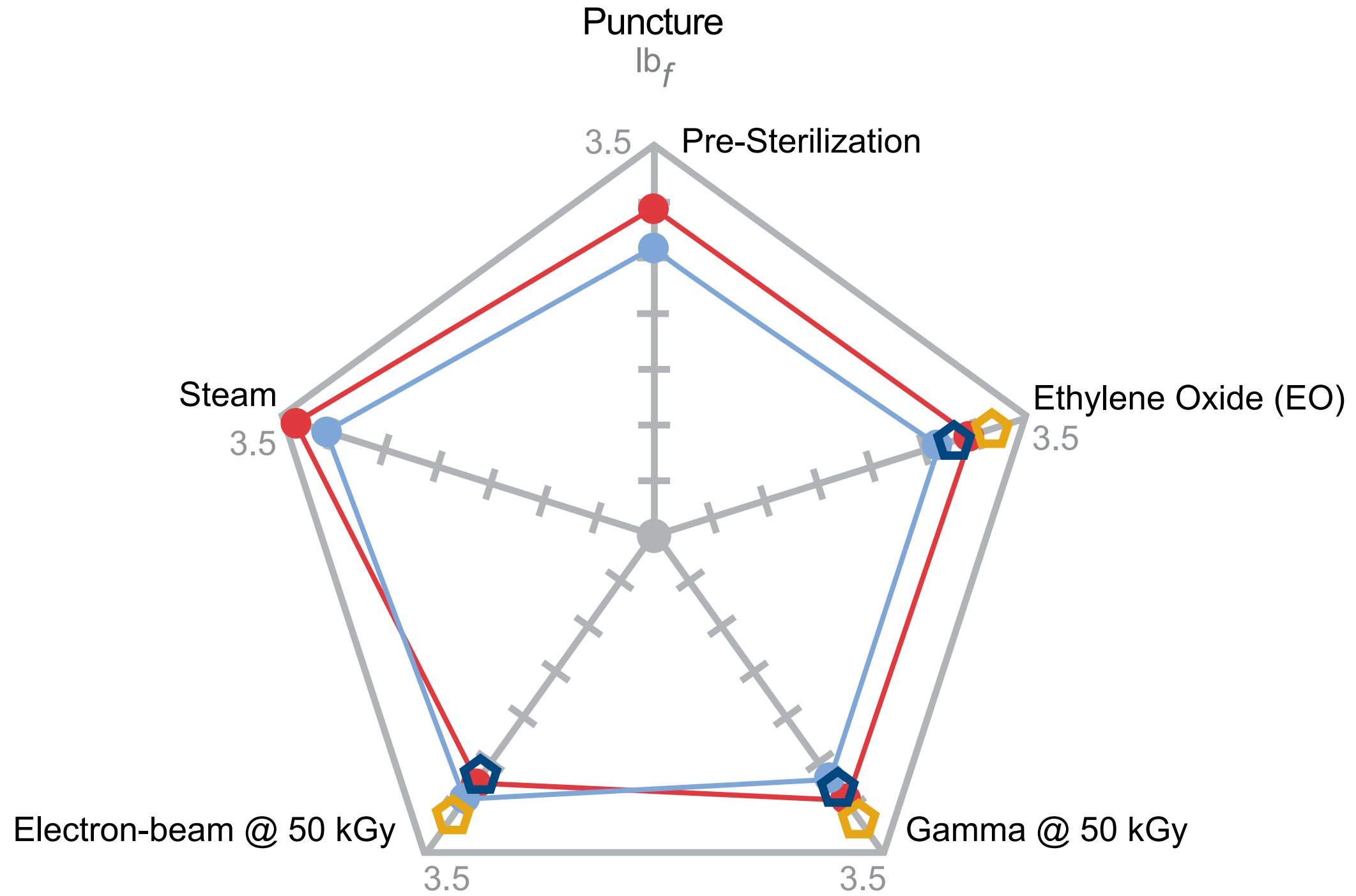
⬠ Developmental: 1 year accelerated aging

⬠ Control: 1 year accelerated aging

ASTM D5034

Control = DuPont™ Tyvek® 1073B

# 1073B Developmental Materials vs. Control Material



● Developmental

● Control

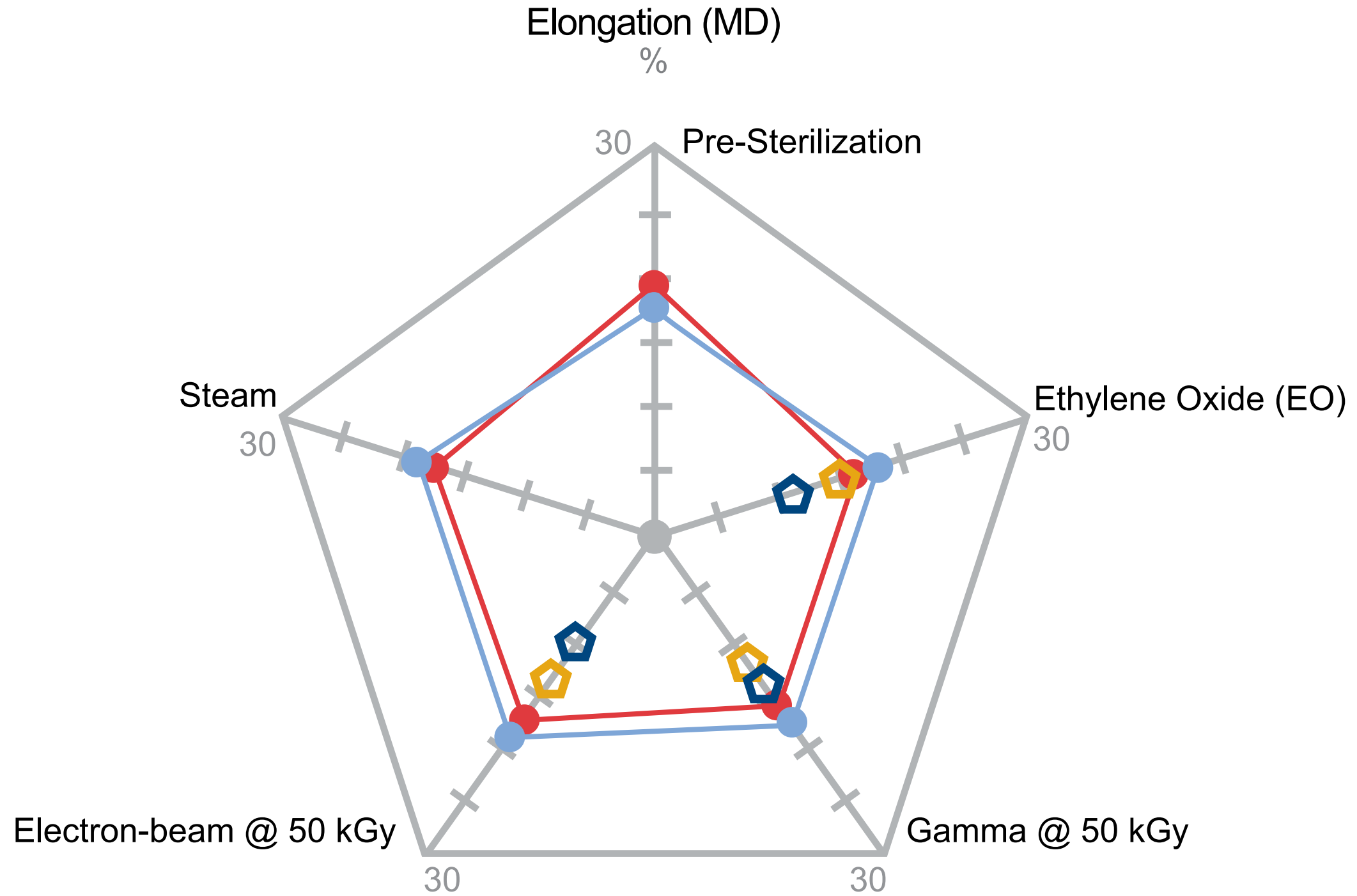
⬠ Developmental: 1 year accelerated aging

⬠ Control: 1 year accelerated aging

ASTM F1342

Control = DuPont™ Tyvek® 1073B

# 1073B Developmental Materials vs. Control Material



● Developmental

● Control

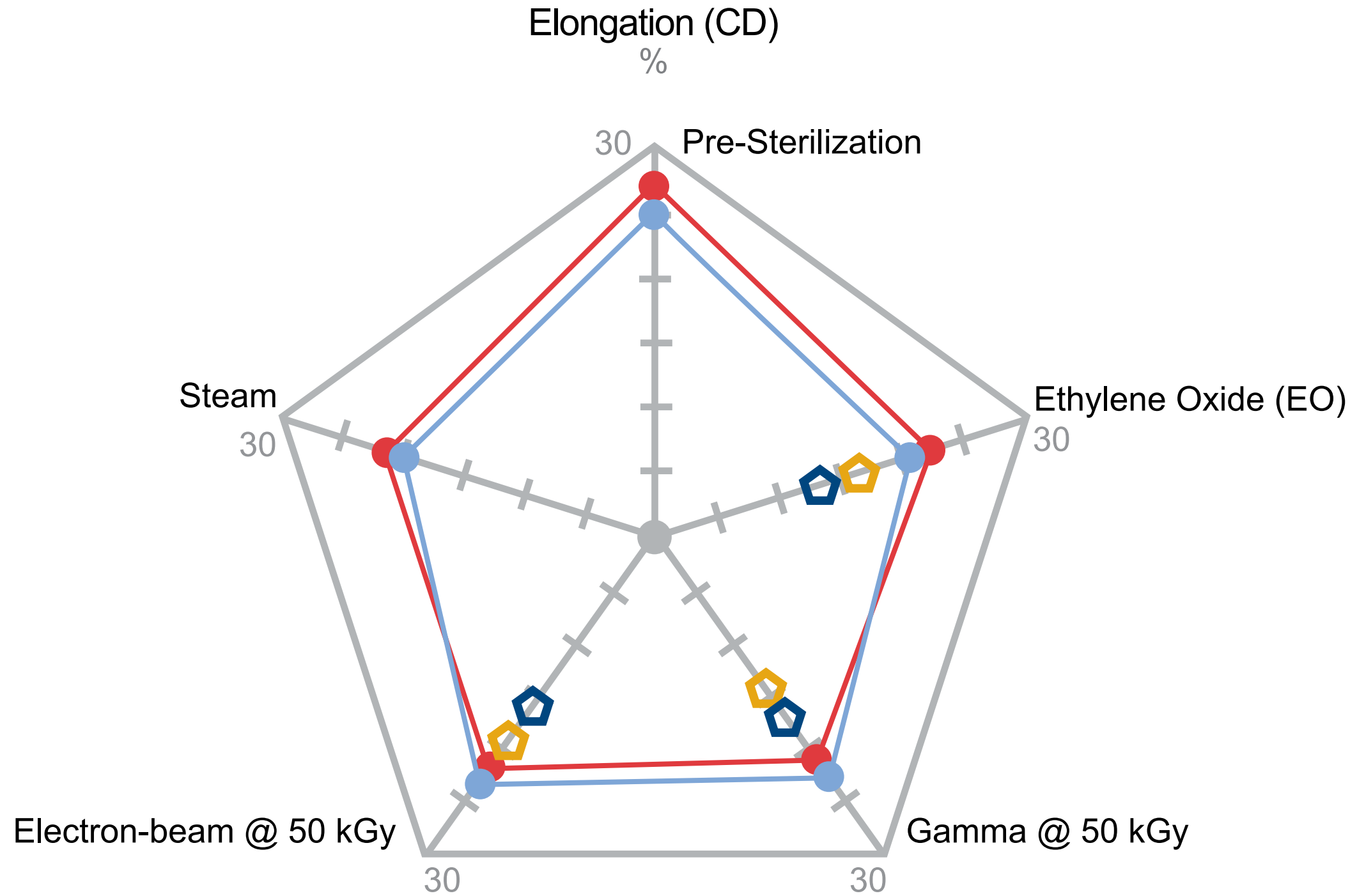
⬠ Developmental: 1 year accelerated aging

⬠ Control: 1 year accelerated aging

ASTM D5034

Control = DuPont™ Tyvek® 1073B

# 1073B Developmental Materials vs. Control Material



● Developmental

● Control

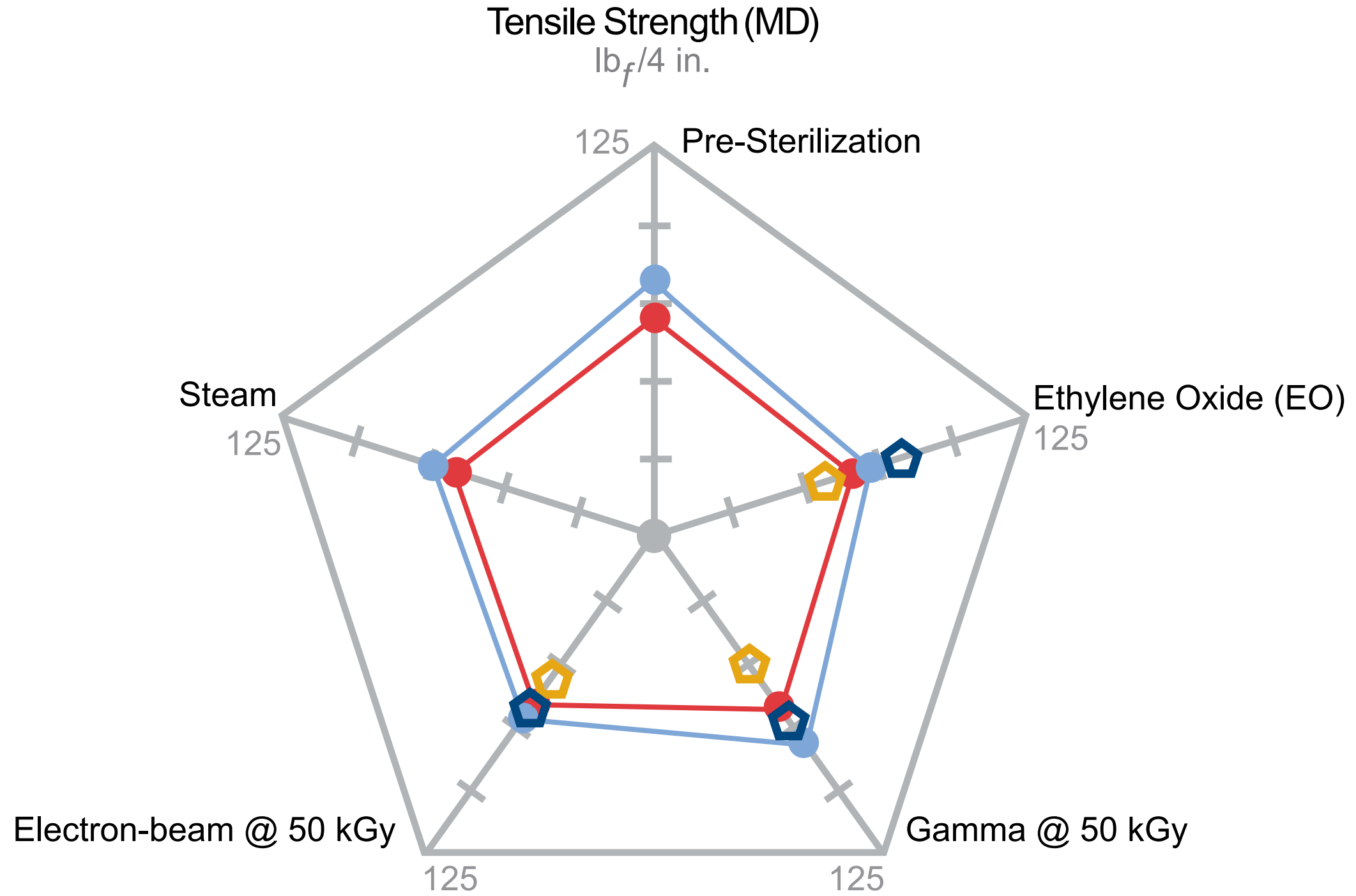
⬠ Developmental: 1 year accelerated aging

⬠ Control: 1 year accelerated aging

ASTM D5034

Control = DuPont™ Tyvek® 1073B

# 1059B Developmental Materials vs. Control Material



● Developmental

● Control

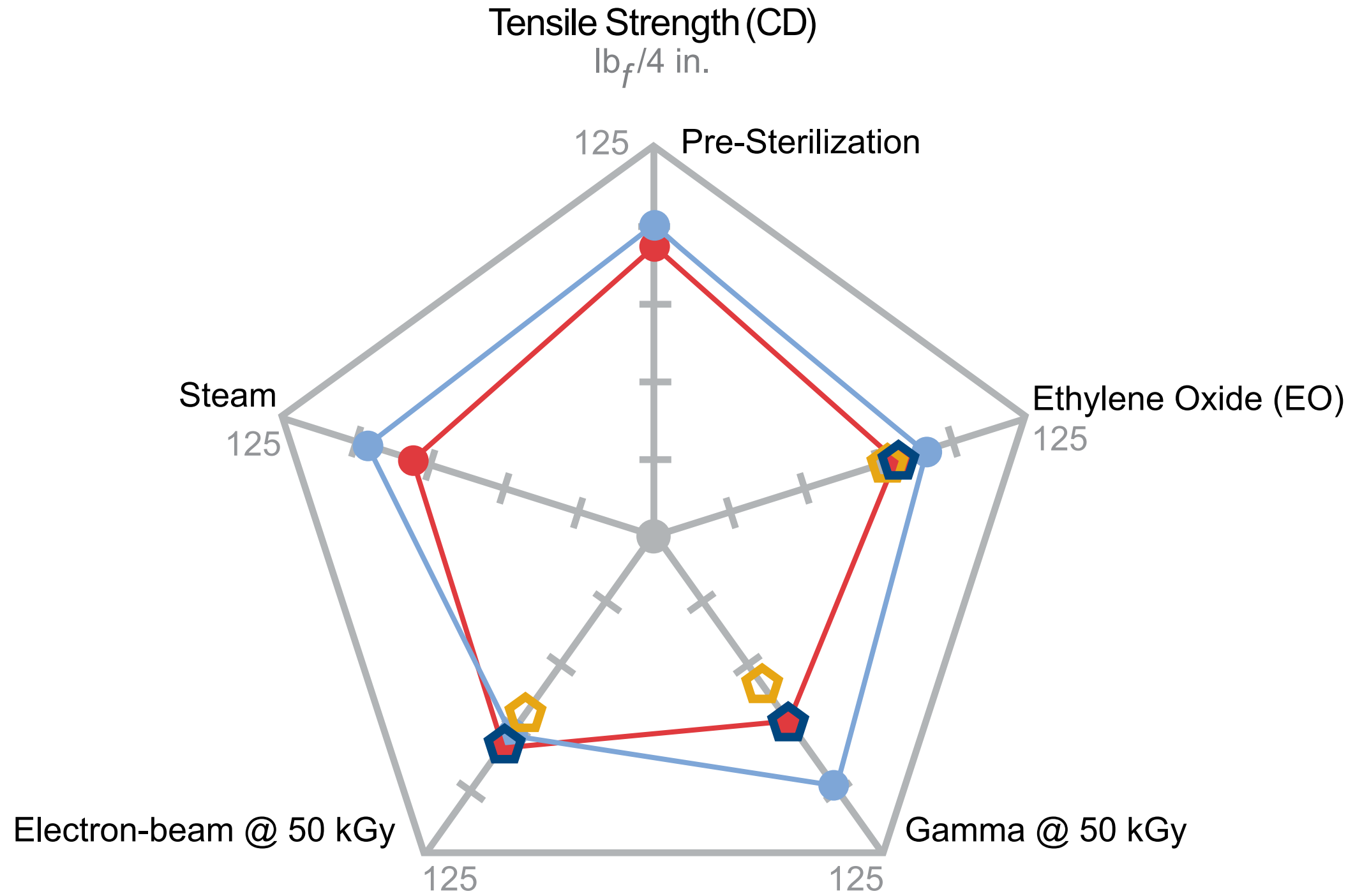
⬠ Developmental: 1 year accelerated aging

⬠ Control: 1 year accelerated aging

ASTM D5034

Control = DuPont™ Tyvek® 1059B

# 1059B Developmental Materials vs. Control Material



● Developmental

● Control

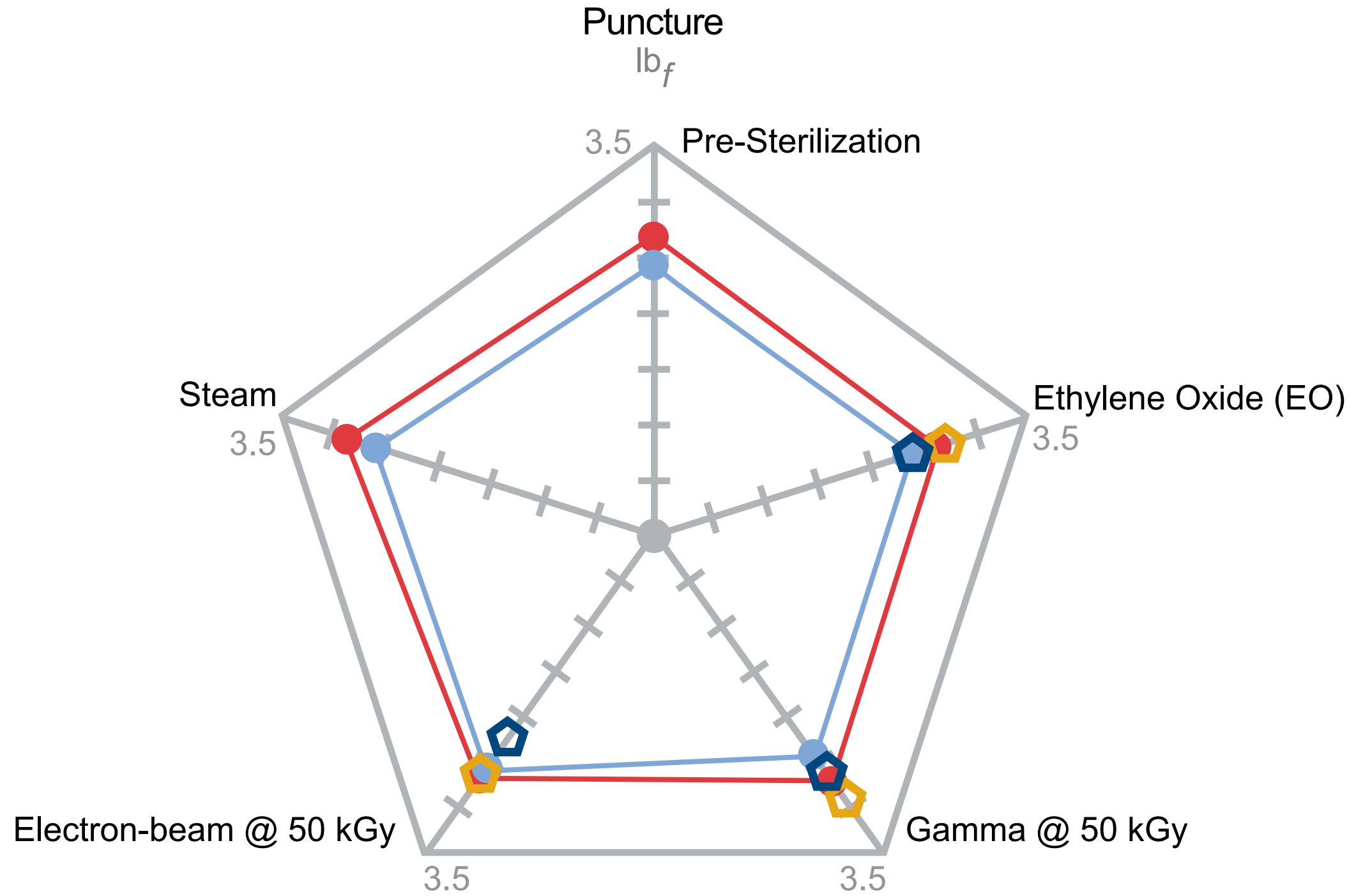
⬡ Developmental: 1 year accelerated aging

⬡ Control: 1 year accelerated aging

ASTM D5034

Control = DuPont™ Tyvek® 1059B

# 1059B Developmental Materials vs. Control Material



● Developmental

● Control

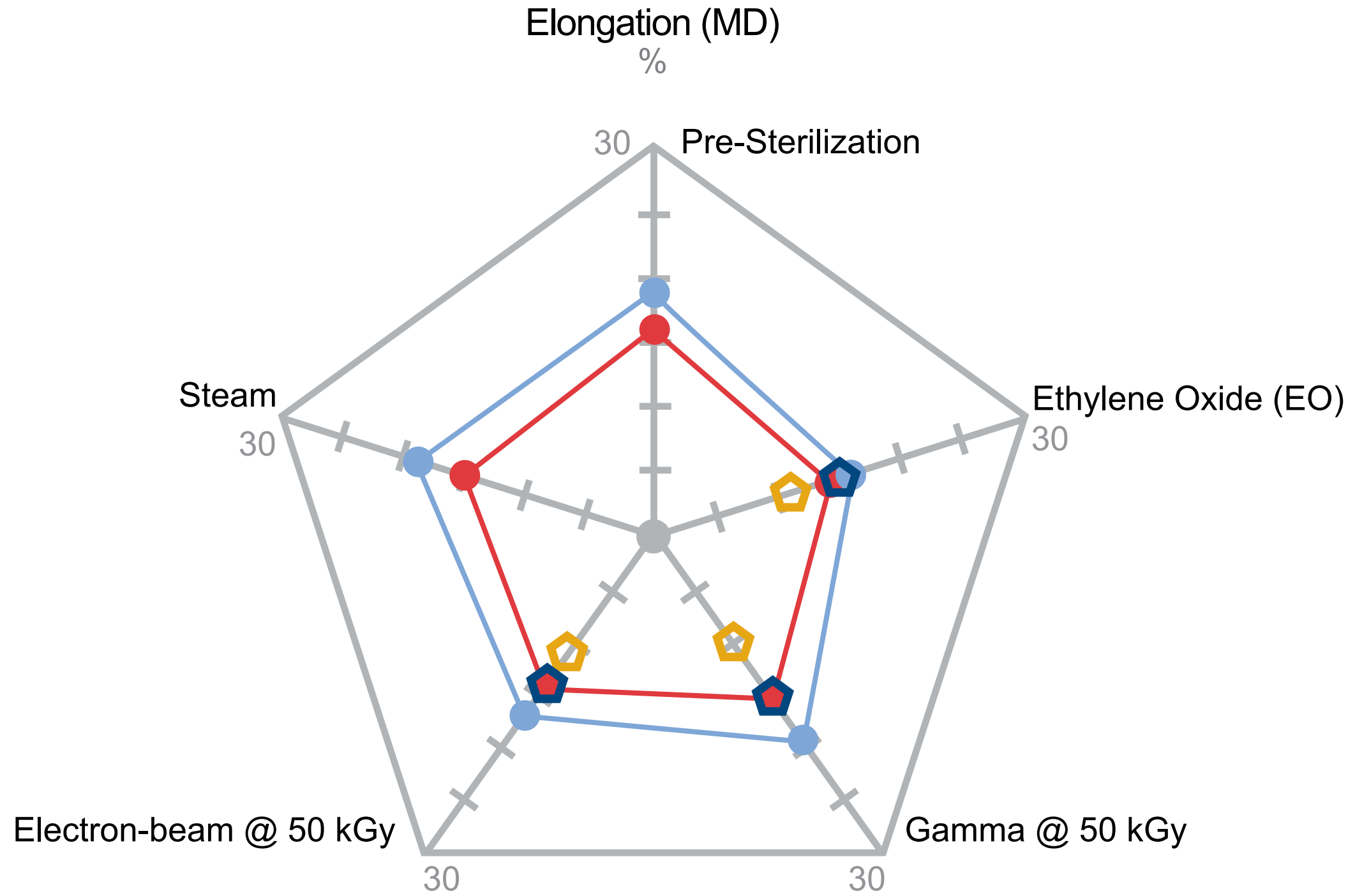
⬠ Developmental: 1 year accelerated aging

⬠ Control: 1 year accelerated aging

ASTM F1342

Control = DuPont™ Tyvek® 1059B

# 1059B Developmental Materials vs. Control Material



● Developmental

⬠ Developmental: 1 year accelerated aging

● Control

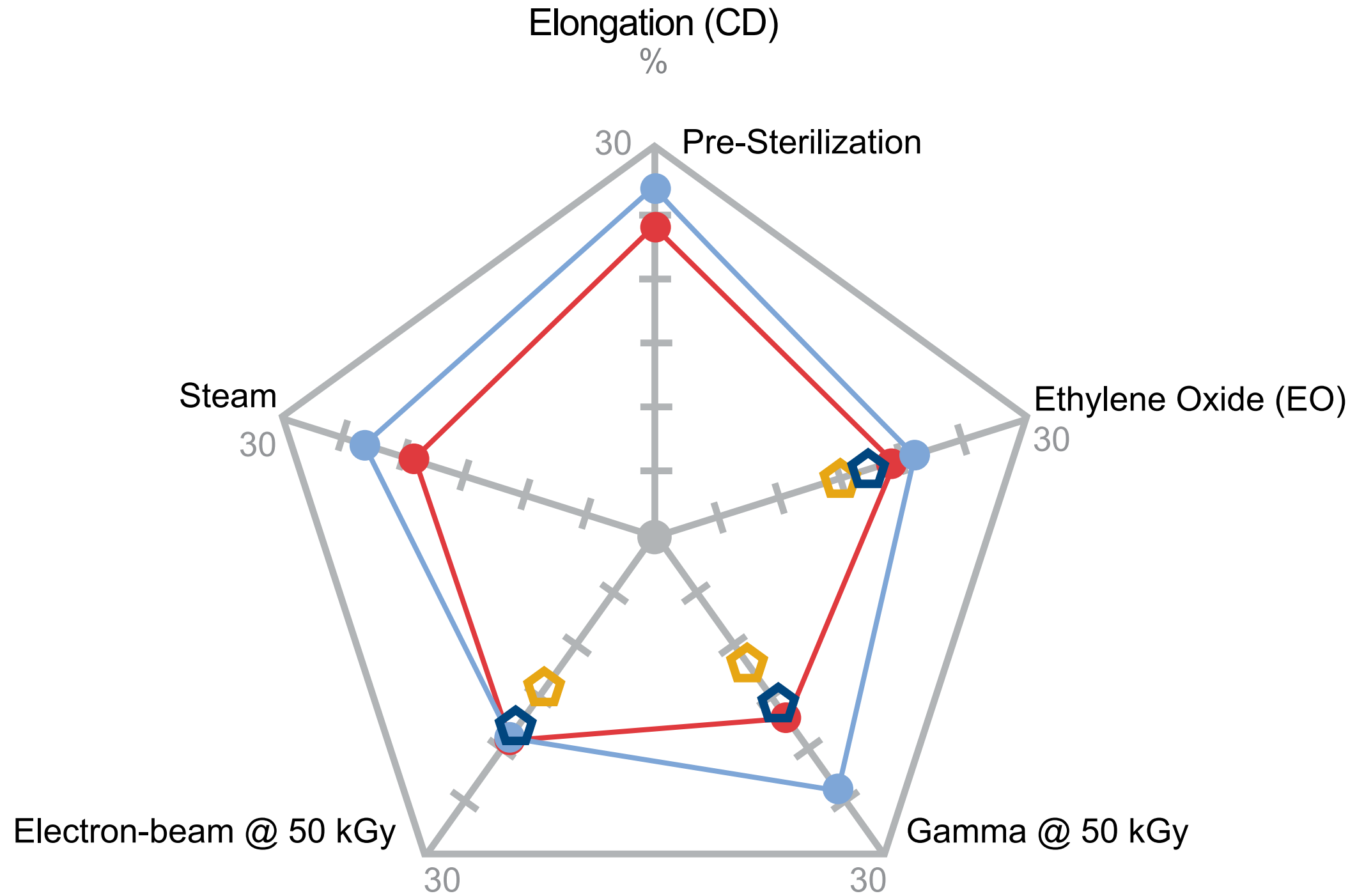
⬠ Control: 1 year accelerated aging

ASTM D5034

Control = DuPont™ Tyvek® 1059B



# 1059B Developmental Materials vs. Control Material



● Developmental

● Control

⬠ Developmental: 1 year accelerated aging

⬠ Control: 1 year accelerated aging

ASTM D5034

Control = DuPont™ Tyvek® 1059B

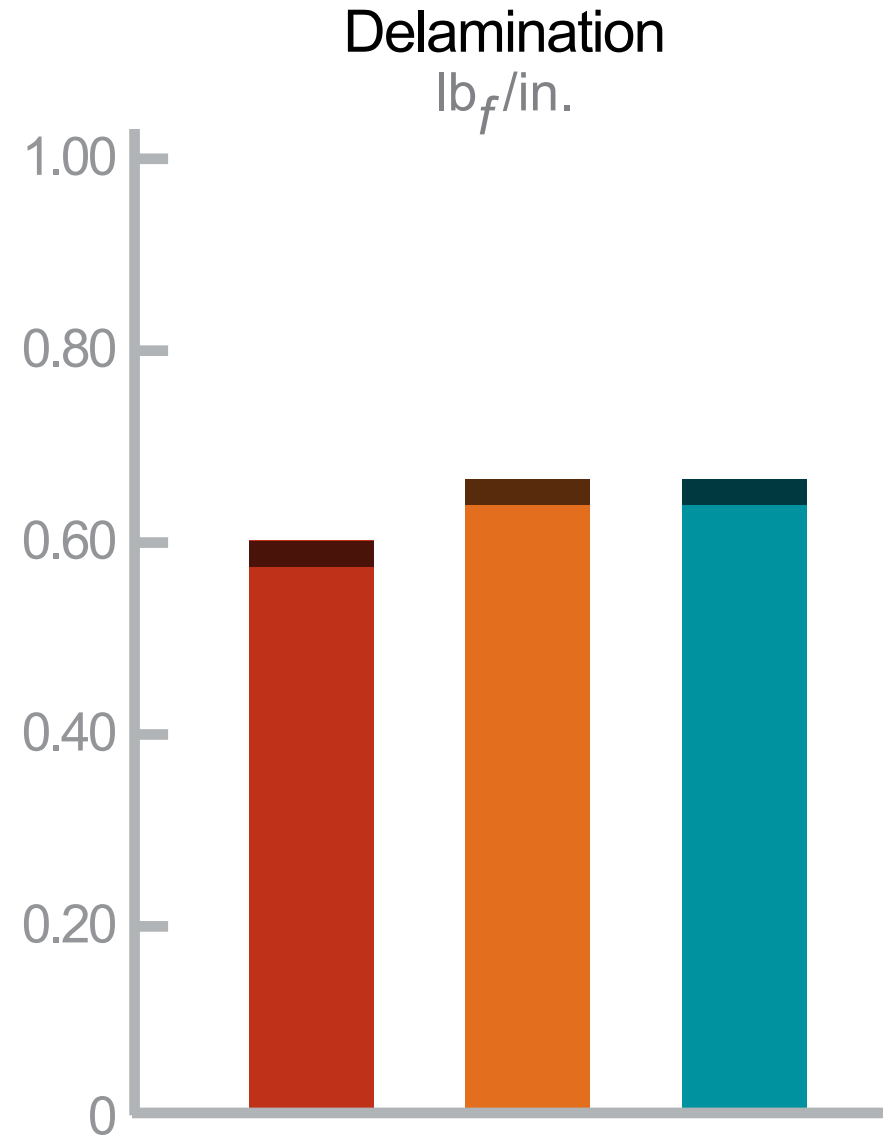
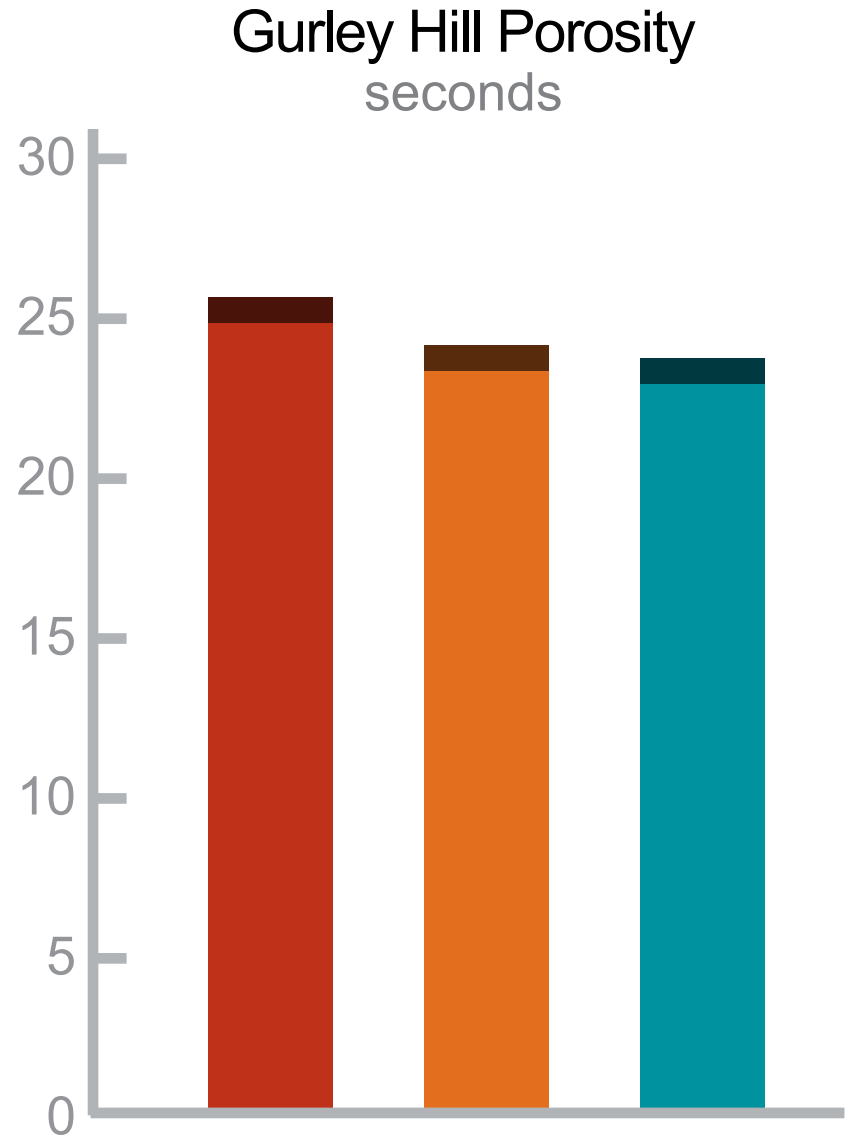
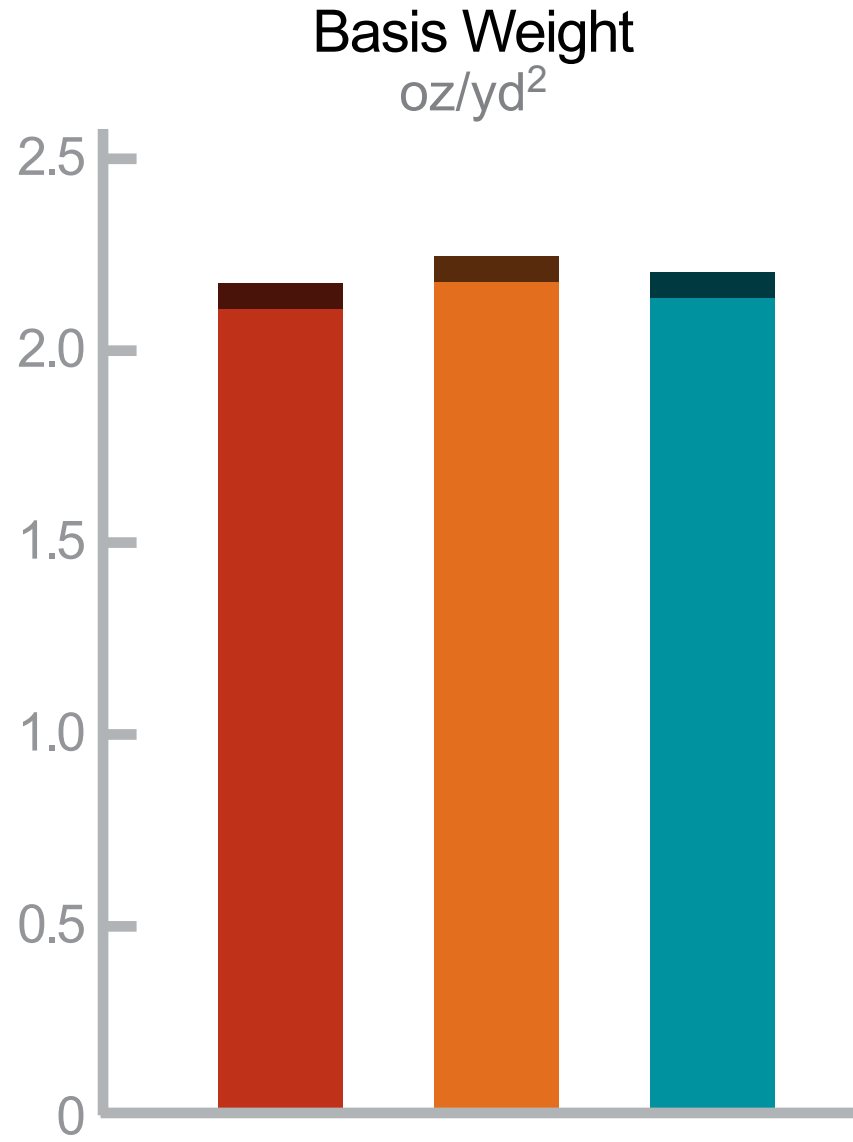
## **MATERIAL PROPERTY DATA GENERATION FOR CHINA'S STATE FOOD AND DRUG ADMINISTRATION (SFDA)**

Results from Part 1 of a two-part study.

Tests on current Tyvek® 1073B and Tyvek® 1059B materials were conducted at two DuPont R&D facilities (Spruance in Richmond, Va., and DRDM in Shanghai, China) and at SFDA-Jinan Quality Supervision and Inspection Center for Medical Devices, to assess capabilities.

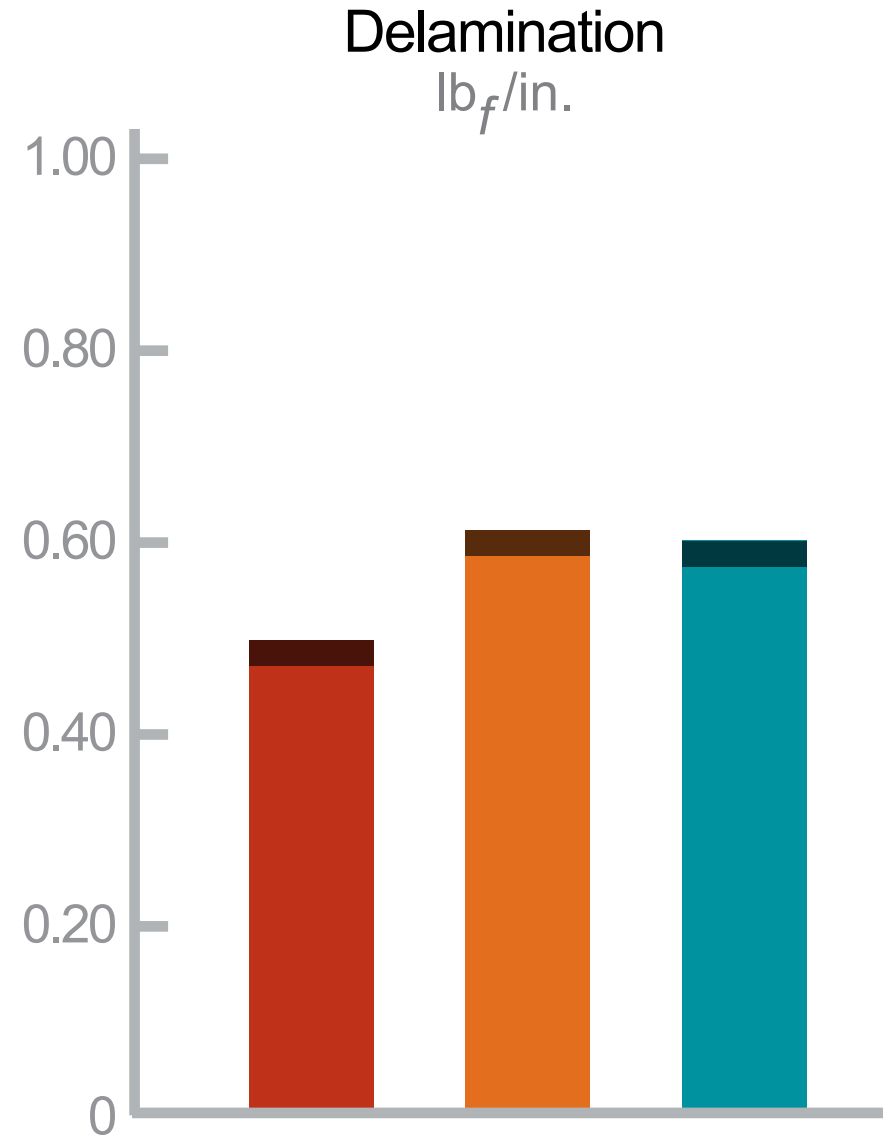
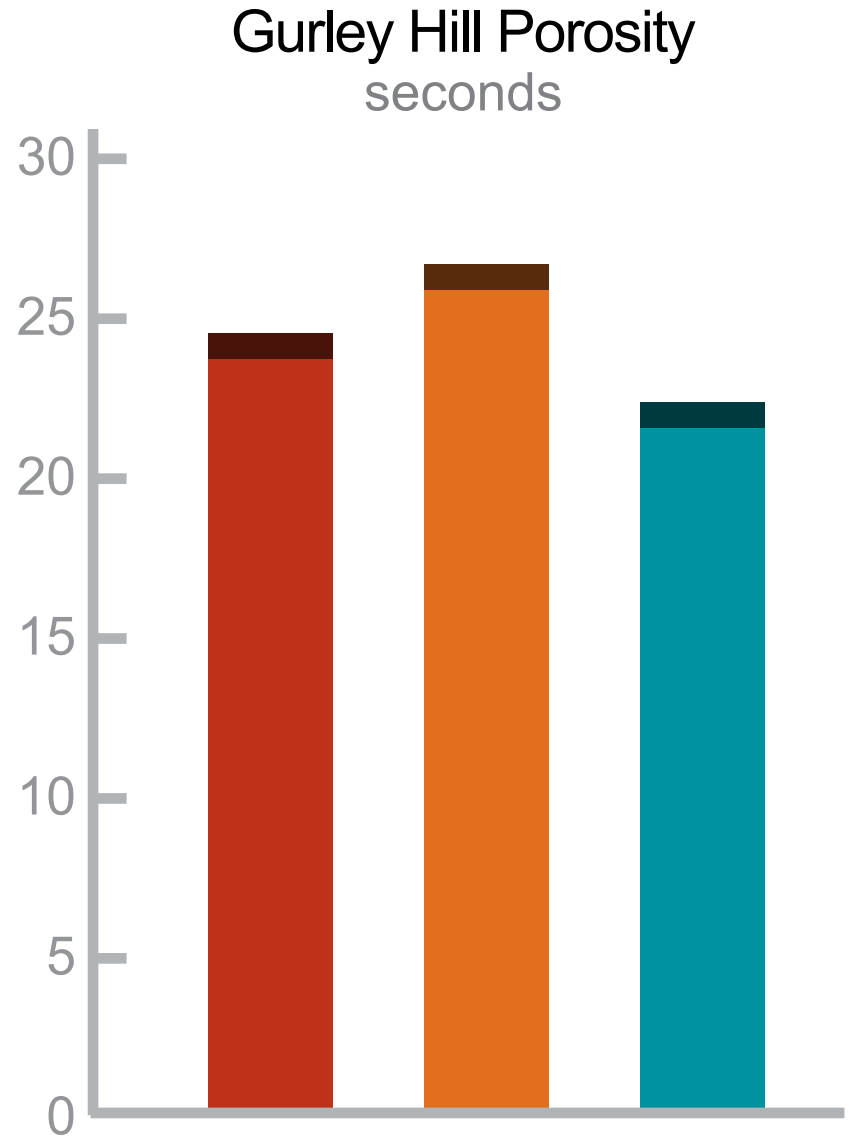
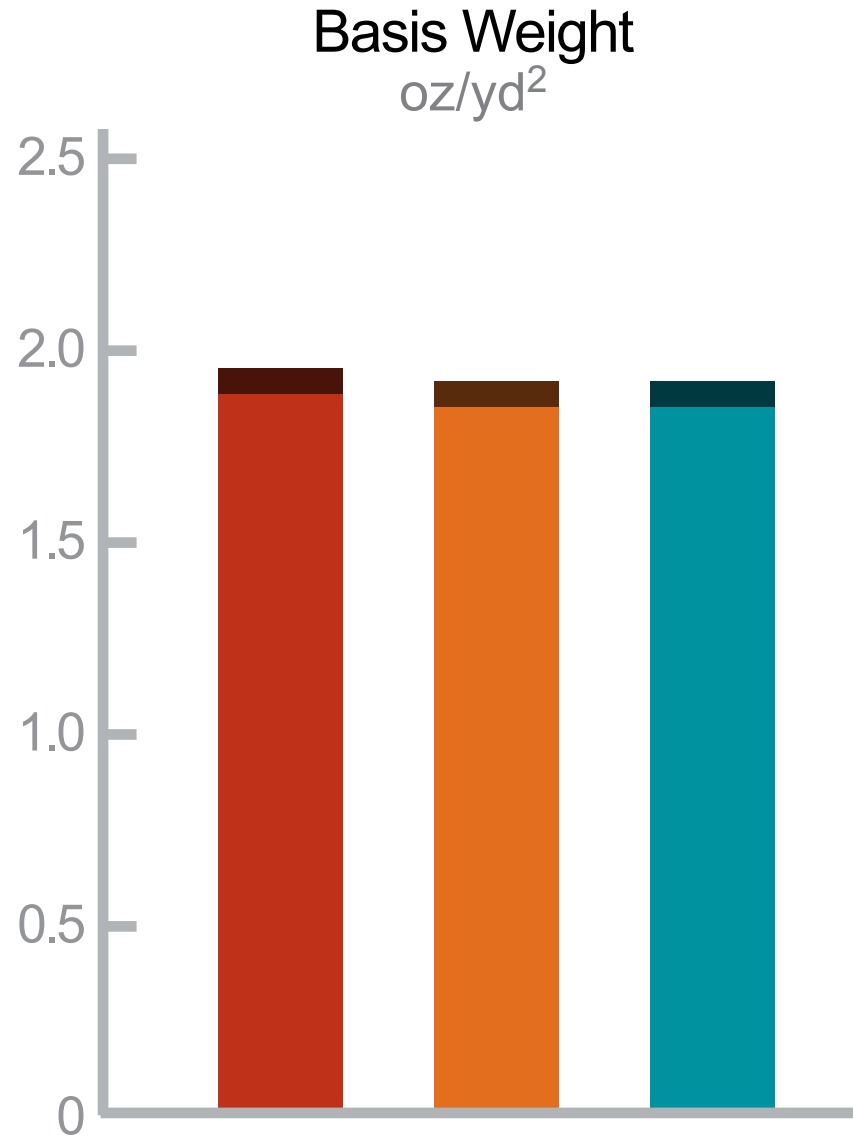
In Part 2, SFDA-Jinan will perform testing on Transition Protocol materials. Upon completion, SFDA-Jinan will provide a report indicating that the Transition Protocol materials are functionally equivalent to current Tyvek®.

# DuPont™ Tyvek® 1073B Material Properties



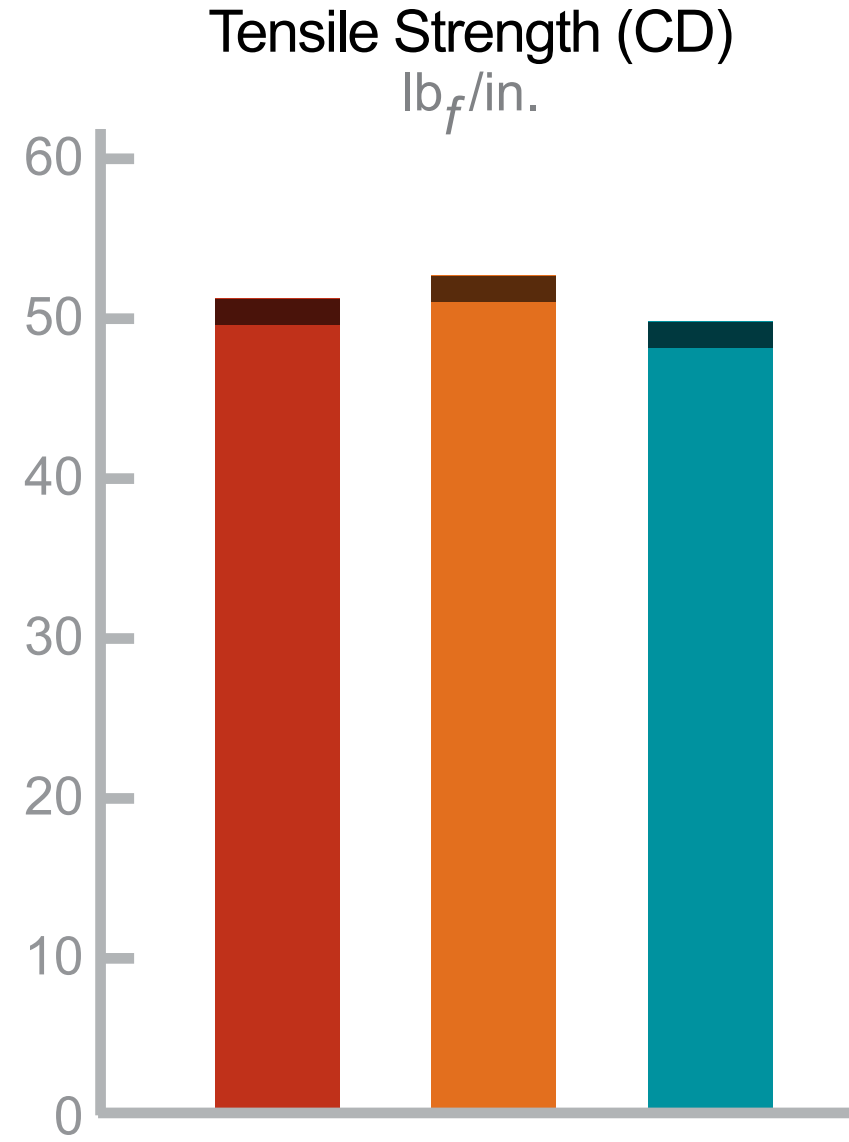
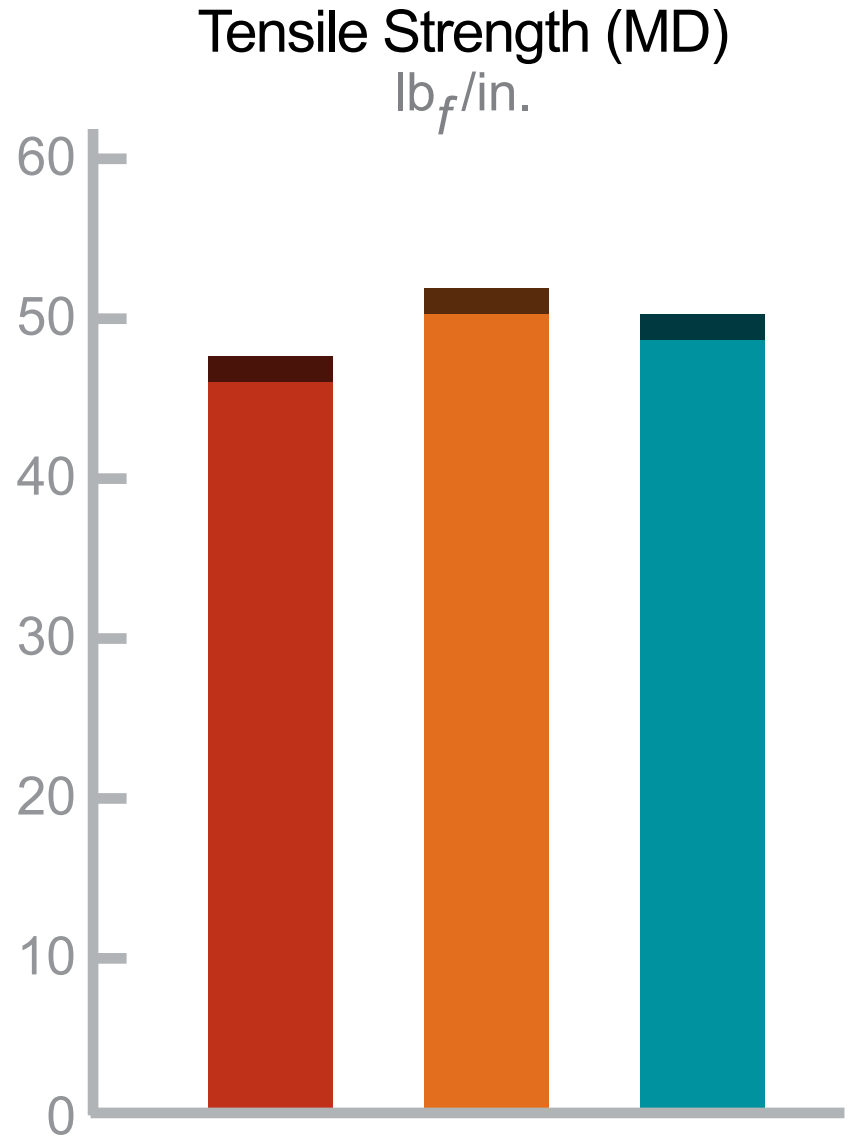
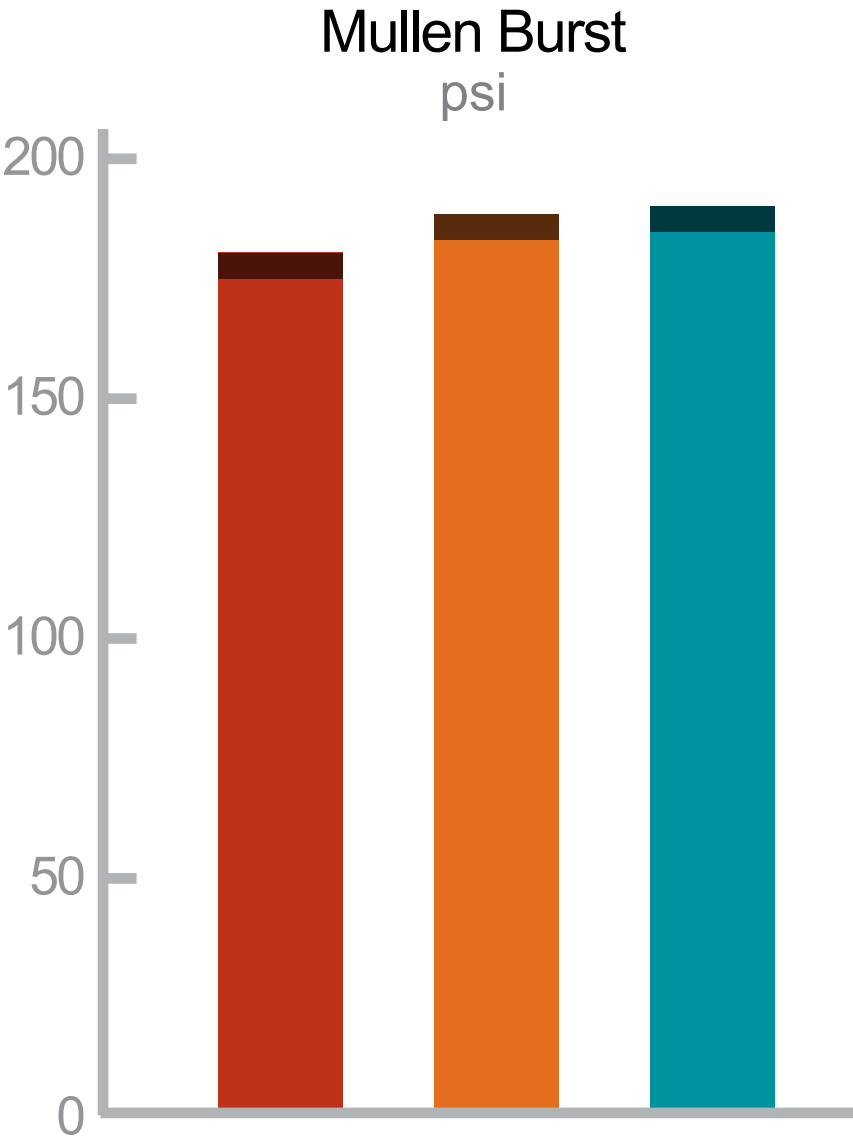
 DuPont Richmond     DuPont Shanghai     SFDA-Jinan

# DuPont™ Tyvek® 1059B Material Properties



 DuPont Richmond     DuPont Shanghai     SFDA-Jinan

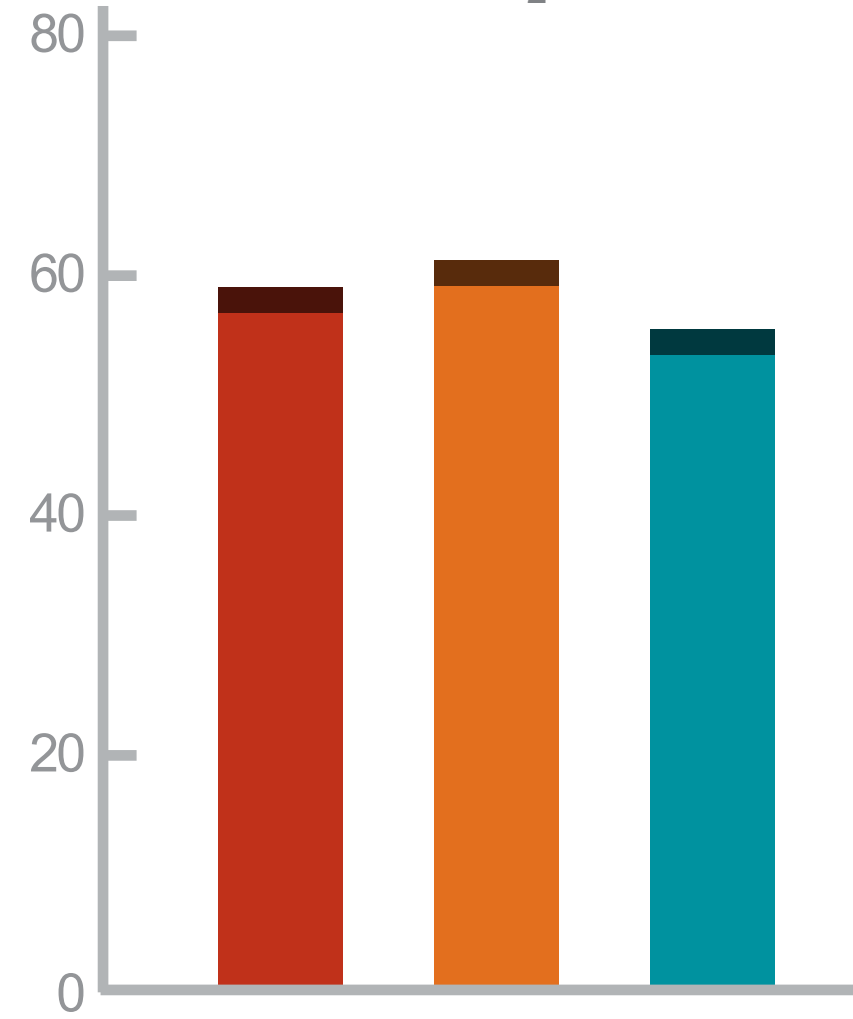
# DuPont™ Tyvek® 1073B Material Properties



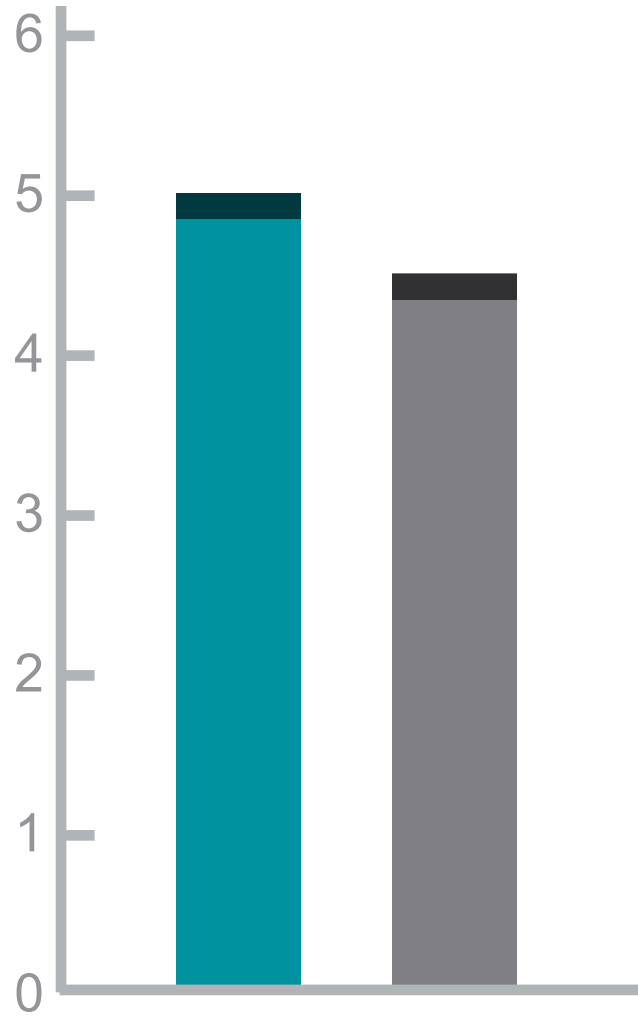
 DuPont Richmond     DuPont Shanghai     SFDA-Jinan

# DuPont™ Tyvek® 1073B Material Properties

### Hydrostatic Head in. of H<sub>2</sub>O

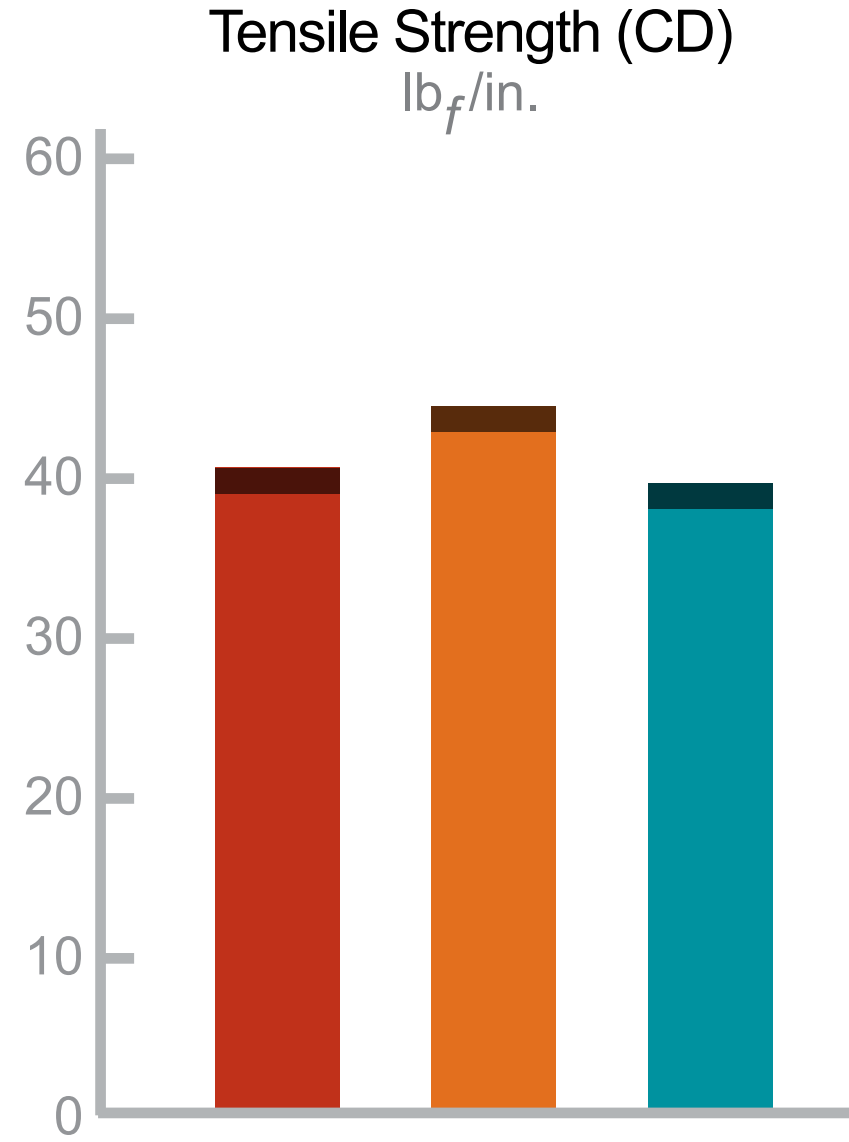
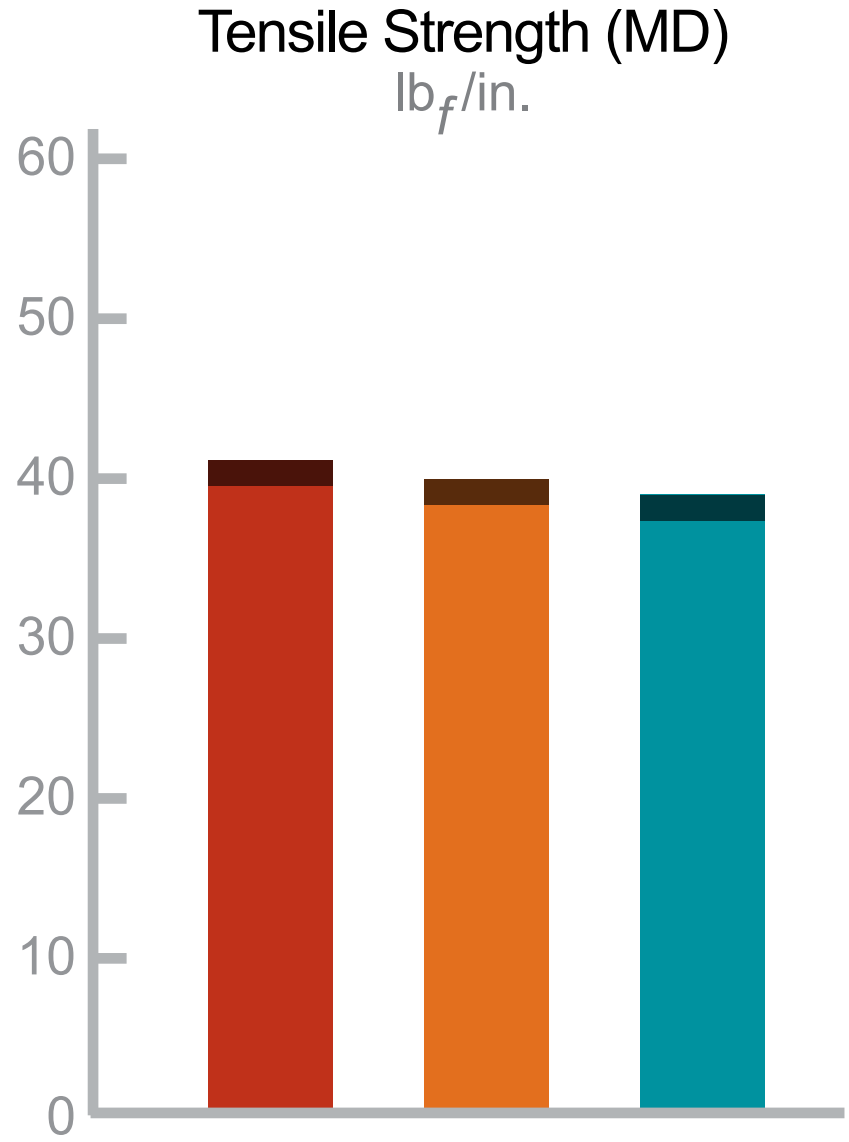
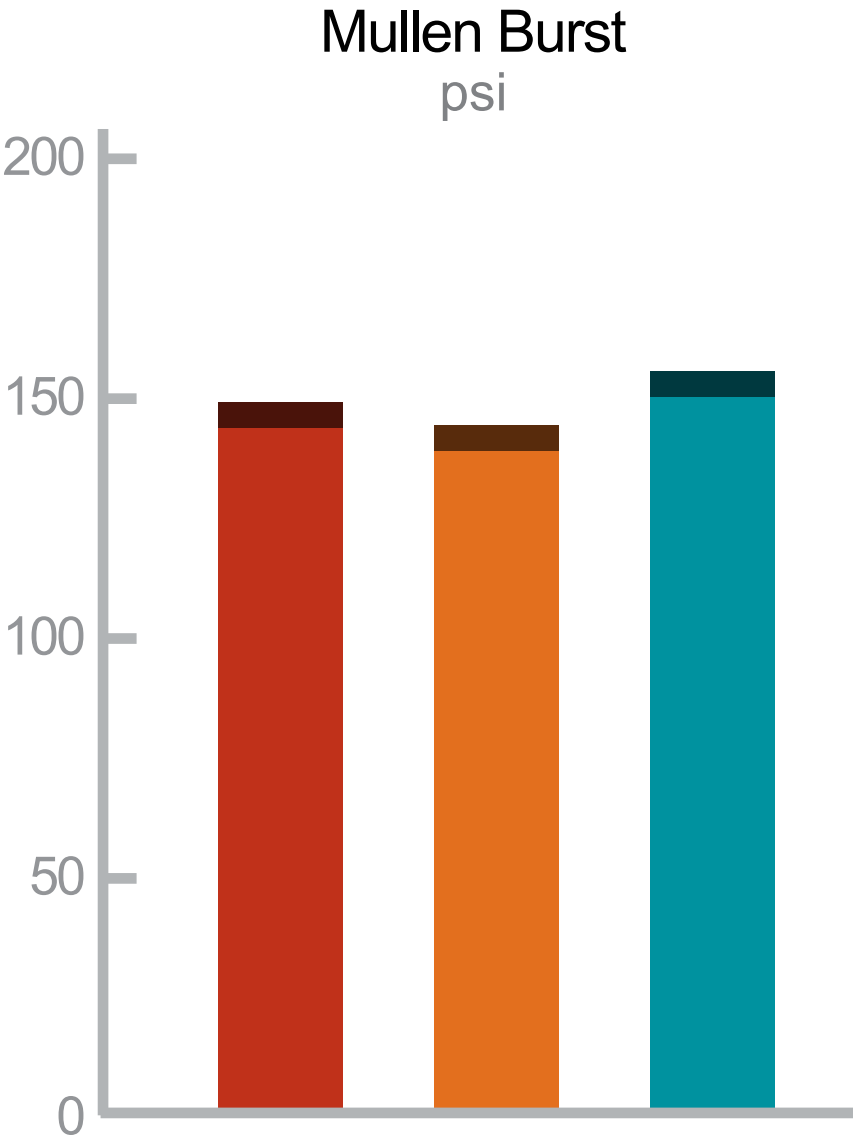


### Microbial Barrier LRV



 DuPont Richmond     DuPont Shanghai     SFDA-Jinan     Third-party Lab

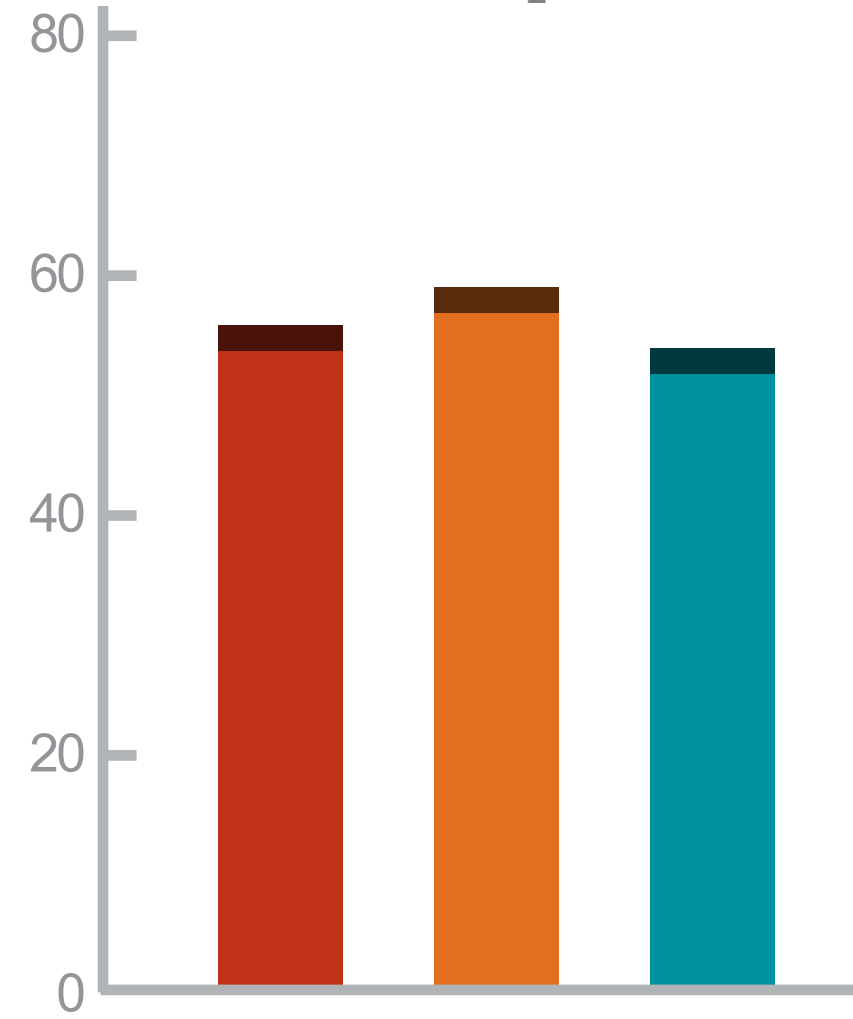
# DuPont™ Tyvek® 1059B Material Properties



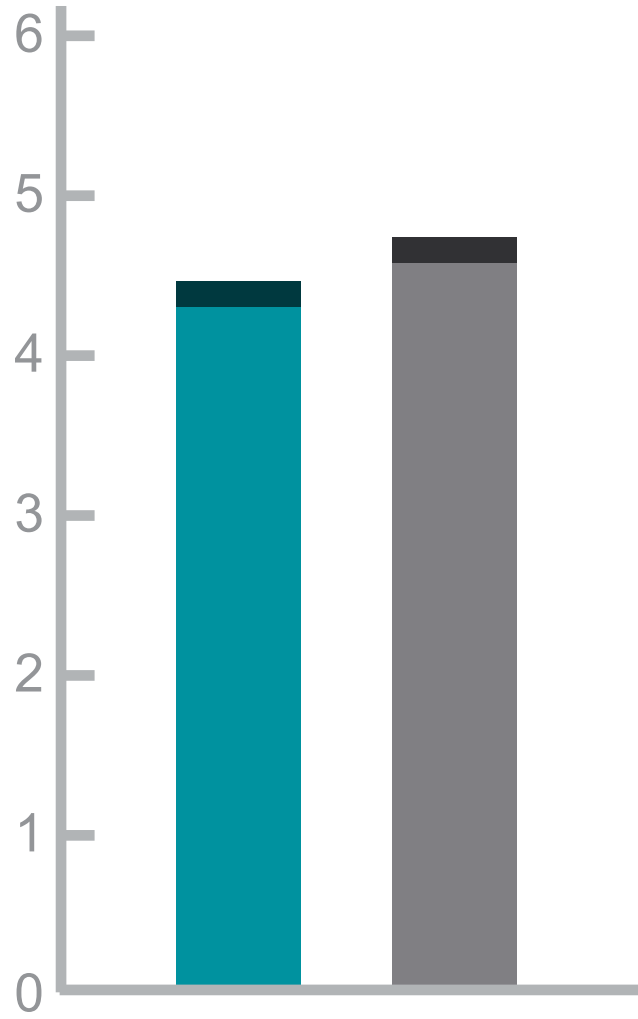
 DuPont Richmond     DuPont Shanghai     SFDA-Jinan

# DuPont™ Tyvek® 1059B Material Properties

Hydrostatic Head  
in. of H<sub>2</sub>O



Microbial Barrier  
LRV



 DuPont Richmond

 DuPont Shanghai

 SFDA-Jinan

 Third-party Lab



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