# **Heat-aged Performance**



#### PRODUCTS:

#### Firestone UltraPly<sup>™</sup> TPO vs. PVC

The new TPO ASTM D6878 standard for heat aging is now more stringent than both EPDM and PVC test methods. Based on these competitive ASTM testing standards, UltraPly TPO largely outlasts its closest PVC competitor.

Competitive testing was conducted at 275° F to represent extreme conditions.

	After 2 Weeks	After 3 Weeks	After 4 Weeks	After 5 Weeks
PVC #1	Yellowing	Yellowing	Yellowing & crazing	Failure
PVC #2	Yellowing	Yellowing	Yellowing	Failure
PVC #3	Browning & curling	Failure		
<b>Firestone</b> <b>UltraPly TPO</b> (45 mil)	Yellowing	Yellowing	Yellowing	Yellowing

Firestone UltraPly TPO lasted 3 times longer than PVC\*

\*Conducted in the Firestone Research and Development Labs in Carmel and Beech Grove, Indiana, in accordance with ASTM standards

# Heat-aged Performance



**PRODUCTS:** 

#### Firestone UltraPly<sup>™</sup> TPO vs. TPO Competitors

The new TPO ASTM standard for heat aging extended the testing period from four weeks to 32 weeks at 240°F. This increase is more stringent than both the EPDM and PVC test methods. The new ASTM method also requires TPO membranes to retain 90% of their original properties.

Competitive testing was conducted at 275° F to represent extreme conditions.



# Firestone UltraPly TPO lasted 12.5% longer than the closest competitor\*

\*Conducted in the Firestone Research and Development Labs in Carmel and Beech Grove, Indiana, in accordance with ASTM standards