

Tire Failures & Defects

612

Fatalities in tire-related crashes in 2019

DATA SOURCE : NHTSA

Causes of Tread Separation

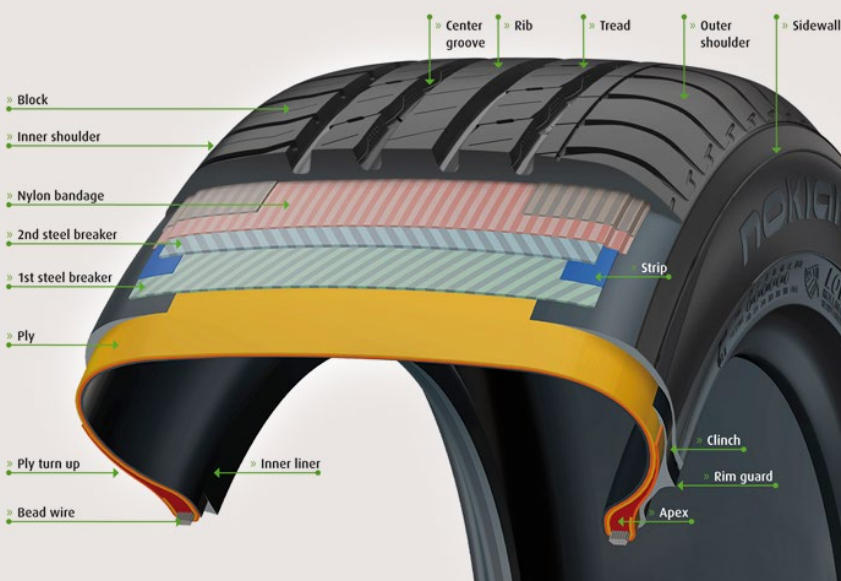
Tread belt separations are often reported as tire blowouts. When the tread and upper belt separate from the body of the tire, vehicle loss of control results, including rollovers that have resulted in serious injuries and fatalities.

IMPROPER DESIGN The tires oxidize because of oxygen permeation through the rubber surfaces, making the rubber brittle which causes separation between the layers.

IMPROPER MANUFACTURING PRACTICES

IMPROPER SELECTION OF RUBBER MATERIALS It is typically the type of rubber that is selected (one that doesn't resist oxygen permeation) that leads to failure.

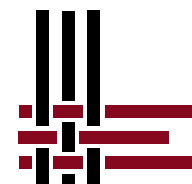
INADEQUATE QUALITY CONTROL MEASURES



11,000

Estimated number of car accidents caused by tire failures each year

DATA SOURCE : NHTSA



LANGDON
& EMISON