



Continental SportContact 6

Technical Highlights

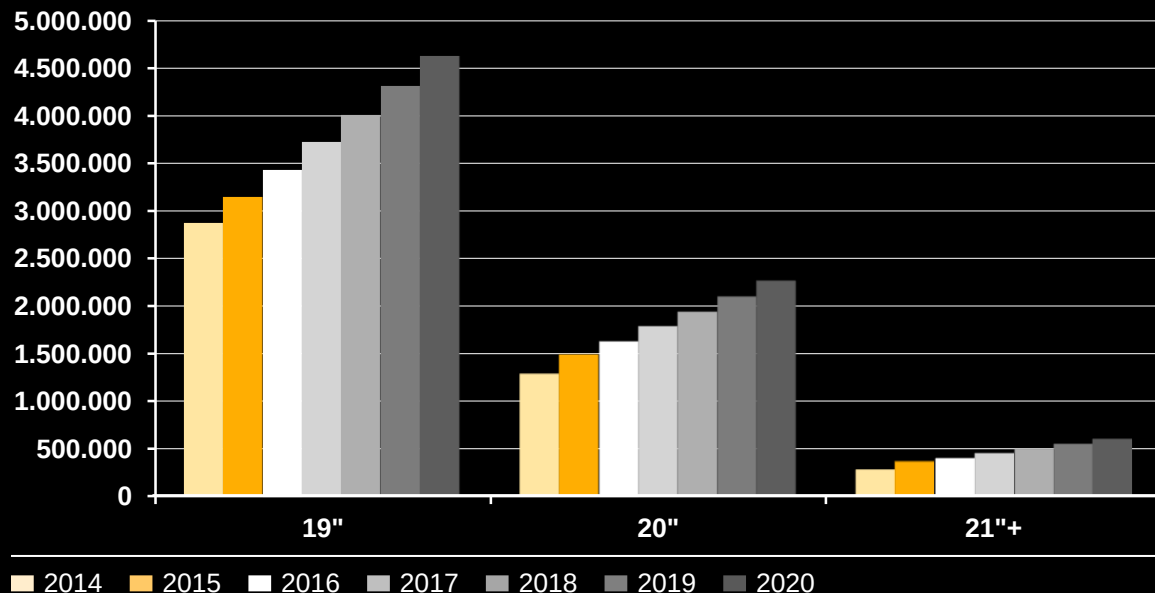
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Marketing

Market Development Europe

Market Development U-UHP = 19"-23" Europe



Yearly growth 2014-2020

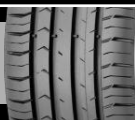
19"-23"	19"	20"	≥21"
+ 9%	+ 8%	+ 10%	+ 14%

The U-UHP market in Europe will continue to develop positively.

In particular, 21" and larger will grow strongly.

Figures estimated by Continental.

Product Portfolio Continental PLT Summer Tyres

	14"	15"	16"	17"	18"	19"	20"	21"	22"	23"
Track						ContiForceContact				
Ultra-UHP							SportContact 6			
Incl. SUV HP/UHP		ContiPremiumContact 5					ContiSportContact 5			
Eco		ContiEcoContact 5								
UltraEco			Conti.eContact							

Requirements

Guiding Principle

The new SportContact 6

The sportiest SportContact ever

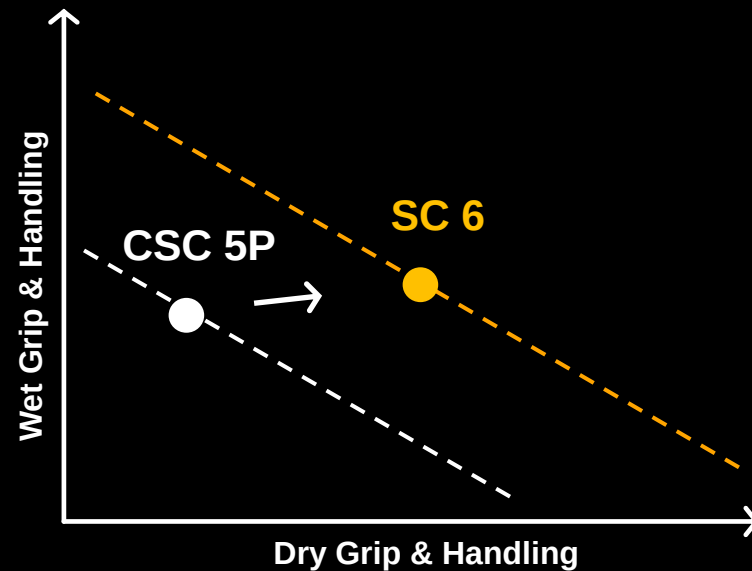
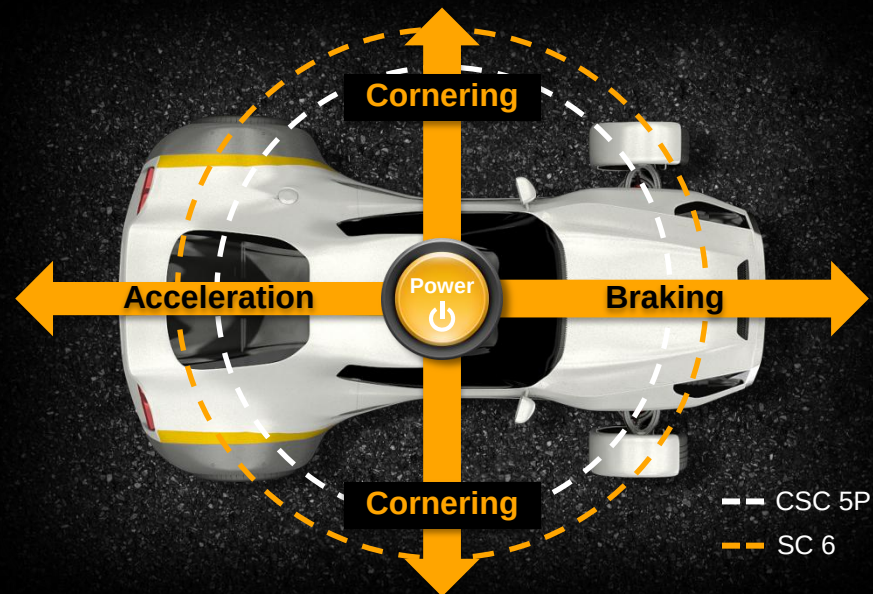
- › Maximum Grip
- › Maximum dry & wet performance
- › Maximum stability & safety
- › Maximum Precision



Realization Concept

Maximum Grip & Precision

Kamm's / Friction Circle



Technology Overview

	Compound		Pattern		Construction	
Benefit	Maximum Grip		Maximum Control		Maximum Stability	
Technology	Black Chili		Force Vectoring		Aralon 350	
Feature	Micro Flexible Compound	Atomic Force Compabiliser	Centre Responsive Rib Design	Advanced Macro Block Design	Adaptive High Speed Cap Ply	

SportContact 6 – Solution Concept Technology



Compound



Pattern



**Reinforcement
Material**

SportContact 6 – Solution Concept

Black Chili Compounding



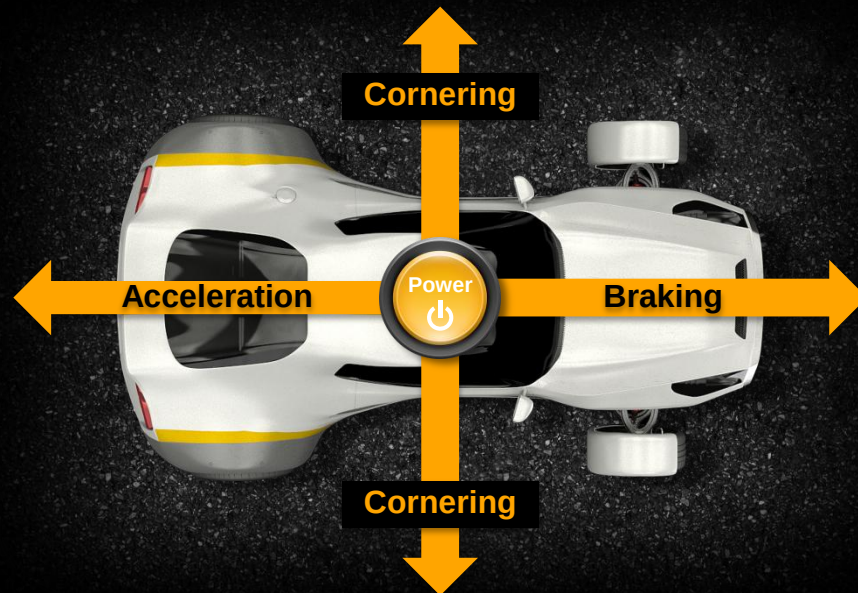
Maximum Grip in All Directions

Black Chili

enjoyment for ...

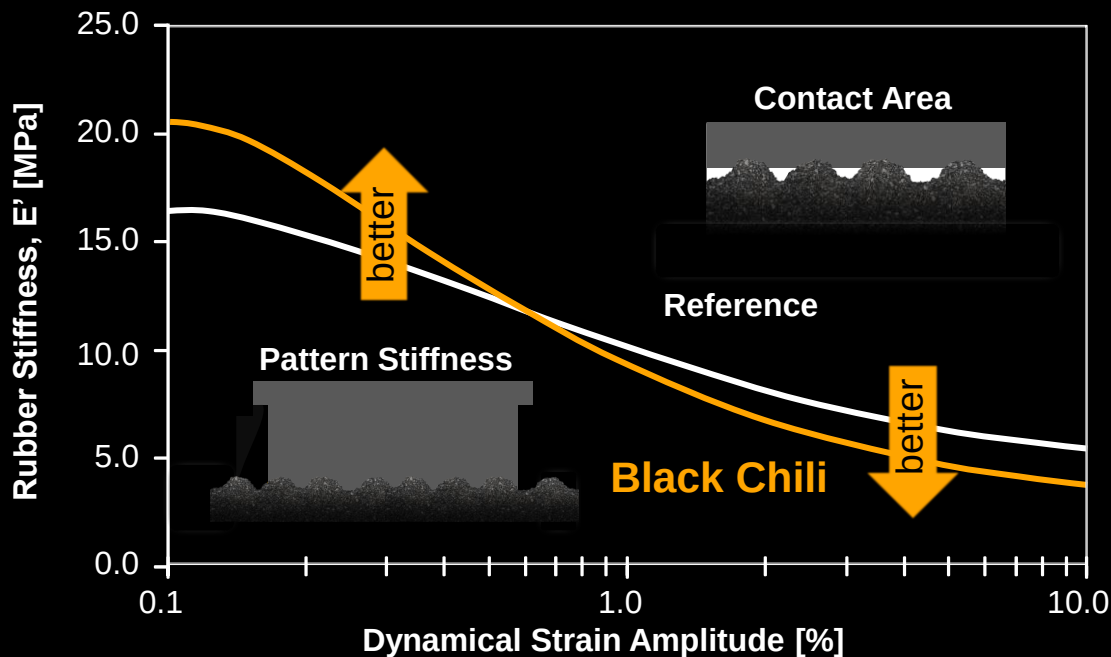
- › Acceleration
- › Cornering
- › Braking

... on wet and dry roads



SportContact 6 – Solution Concept

Engineering Rubber Properties for Ultimate Precision and Grip



Engineered Compound Stiffness

Stiff at block bending strain

› Responsive & precise

Micro-flexible at road deformation

› Increased contact area

› Enhanced interlocking

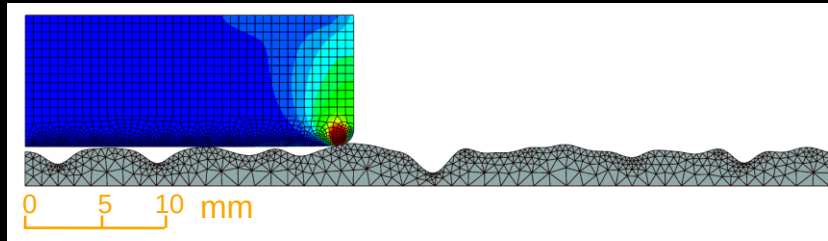
SportContact 6 – Solution Concept

Engineering Rubber Stiffness

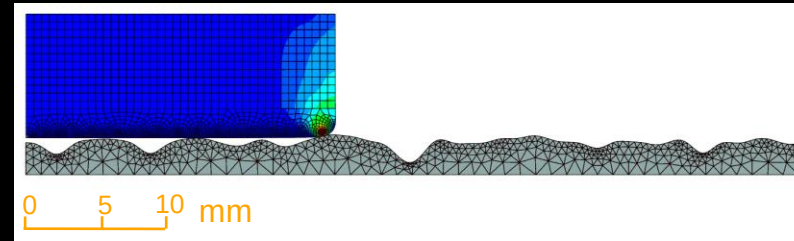


Increasing Real Rubber-Road Contact Area

Standard Tread Rubber



Black Chili Compound



Finite **E**lement Method (FEM) simulation of rubber road contact and friction

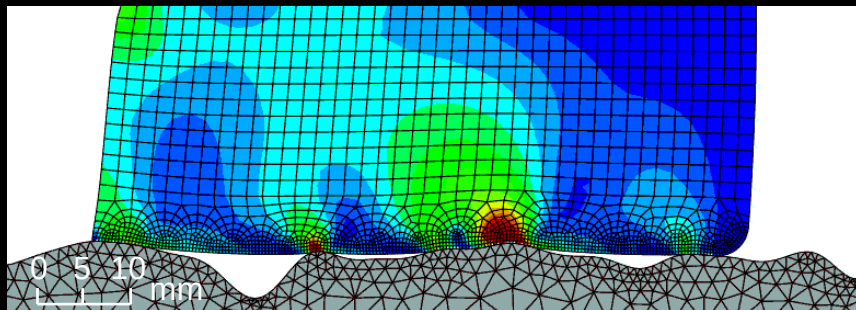
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Engineering Rubber Stiffness

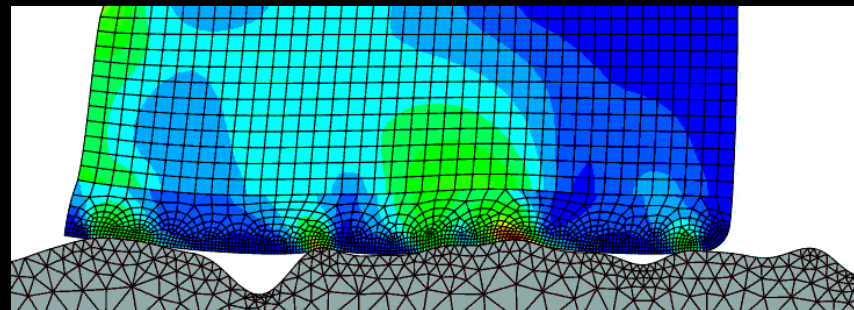


Enhanced Micro-Flexibility

Standard Tread Rubber



Black Chili Compound

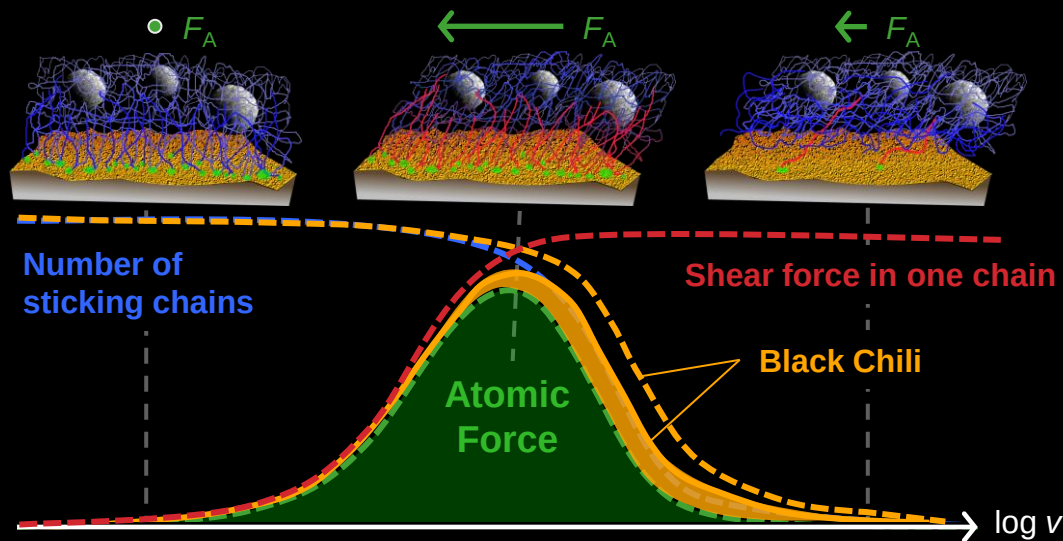


- › BlackChili compound with enhanced micro-flexibility
- › Maximum contact area for increased adhesion
- › Maximum interlocking between rubber and road-roughness

SportContact 6 – Solution Concept

Maximum Grip – Adhesion

Atomic Force Compatibilizer



Black Chili Compound

- › Ensures maximum number of molecular rubber-road interactions at the interface
- › Tunes the velocity dependence according to sporty driving applications

SportContact 6 – Solution Concept Technology



Compound



Pattern



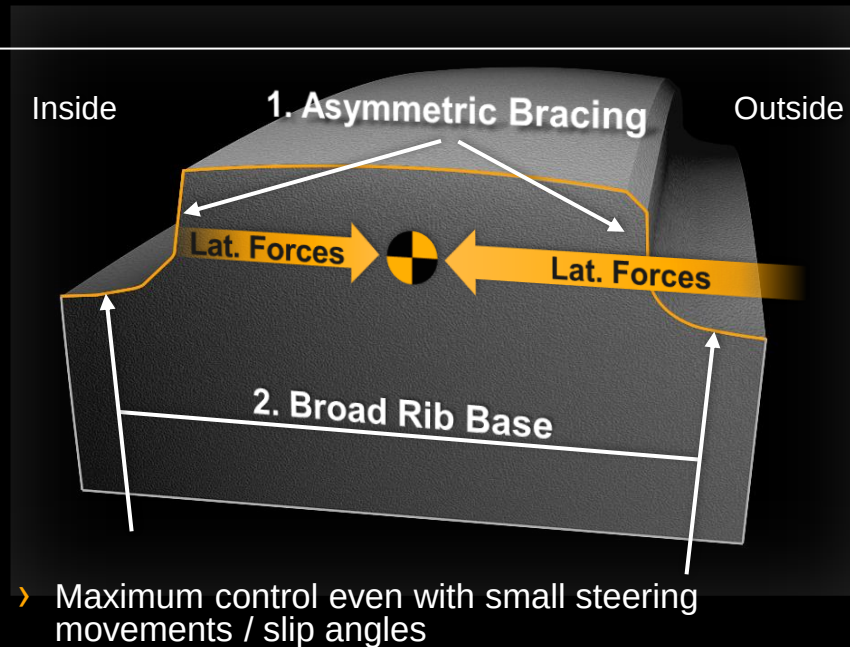
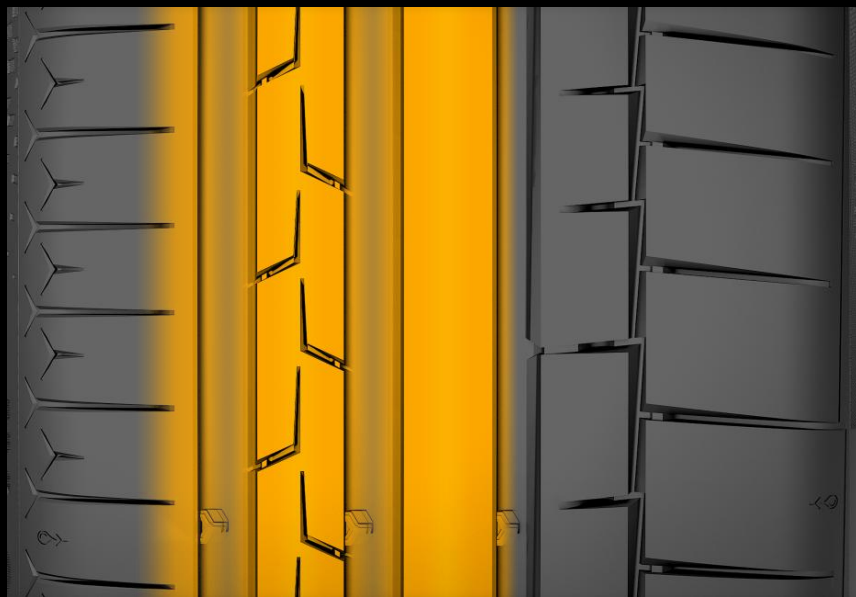
**Reinforcement
Material**

SportContact 6 – Solution Concept

Force Vectoring



Asymmetric Center Rib Design



SportContact 6 – Solution Concept

Force Vectoring



Advanced Macro Block Design



1. Large shoulder blocks
2. Interlocking and coupling elements
3. Macro structured system

SportContact 6 – Solution Concept

Technology



Compound



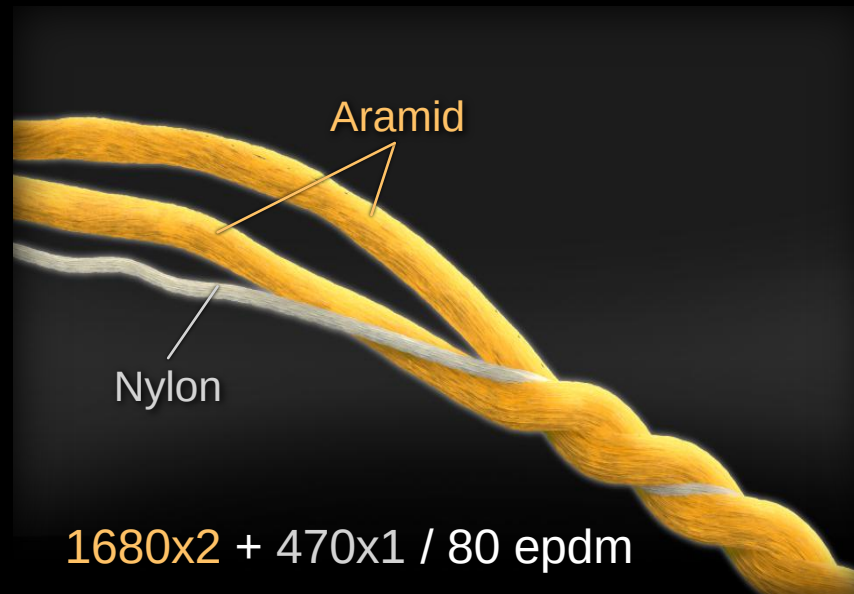
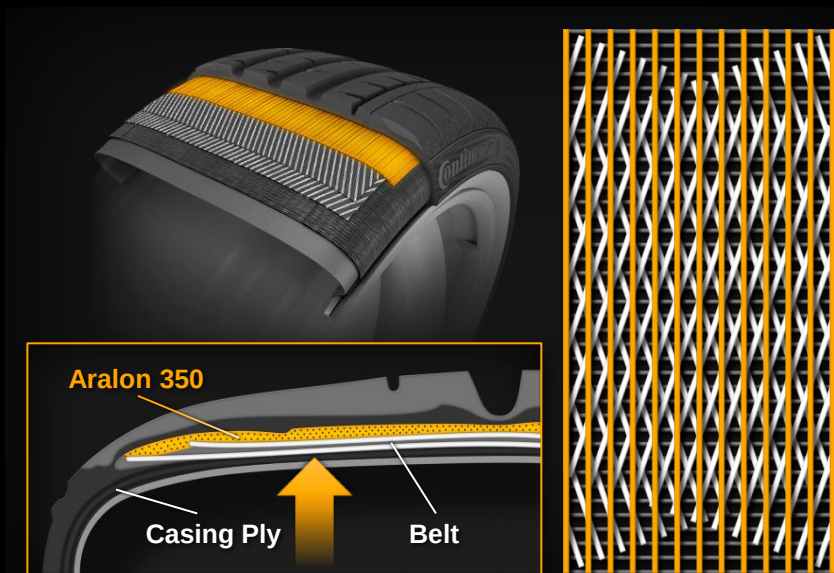
Pattern



**Reinforcement
Material**

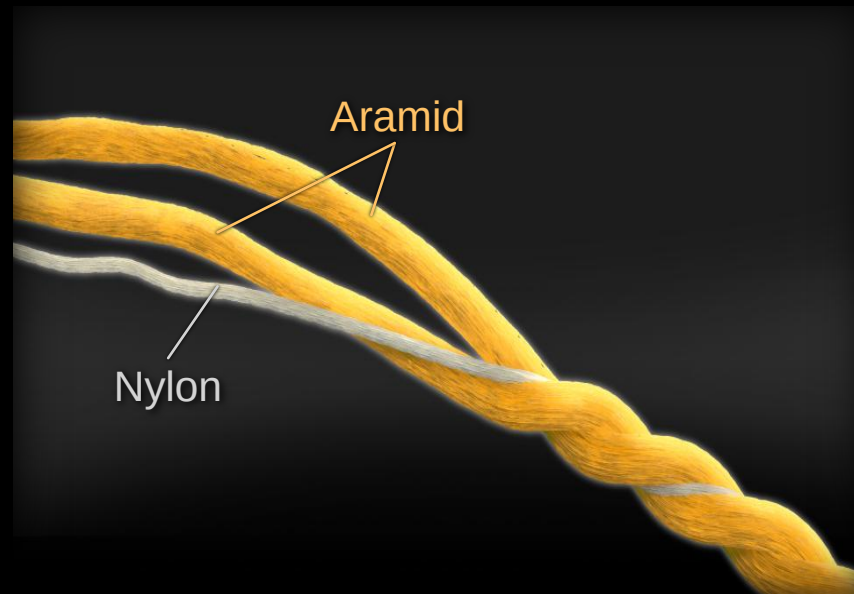
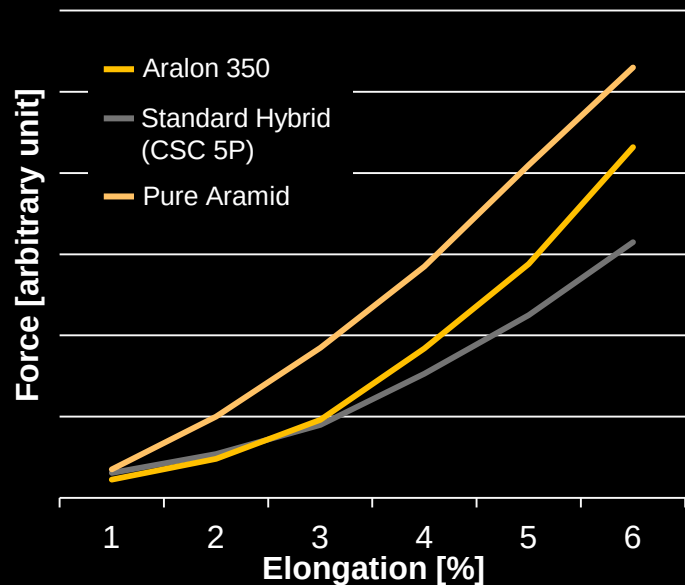
SportContact 6 – Solution Concept

Reinforcement Material: New CapPly Aralon 350



SportContact 6 – Solution Concept

Aralon 350



SportContact 6 – Solution Concept Technology



Compound



Pattern



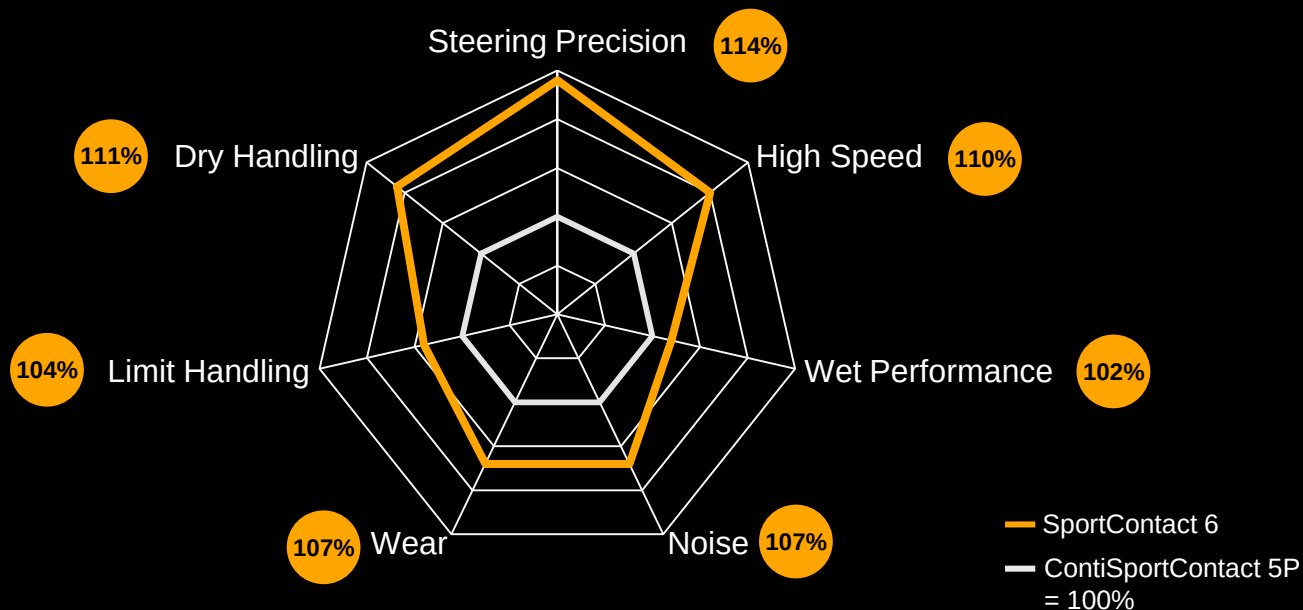
**Reinforcement
Material**

The New Continental Spearhead Product SportContact 6

Performance Overview



- › Best in Handling
- › Best in Braking
- › Improved High Speed Capabilities
- › EU Tyre Label:
Fuel Efficiency = E
Wet Grip = A



Market Launch Sizes

19"

225/35 ZR 19	275/35 ZR 19
225/40 ZR 19	285/35 ZR 19
235/35 ZR 19	295/30 ZR 19
245/35 ZR 19	305/30 ZR 19
245/40 ZR 19	315/25 ZR 19
255/30 ZR 19	
255/35 ZR 19	
255/40 ZR 19	
265/30 ZR 19	
265/35 ZR 19	
275/30 ZR 19	

20"

225/35 ZR 20	305/25 ZR 20
235/30 ZR 20	305/30 ZR 20
235/35 ZR 20	325/25 ZR 20
245/30 ZR 20	
245/35 ZR 20	
255/30 ZR 20	
255/35 ZR 20	
265/35 ZR 20	
275/30 ZR 20	
275/35 ZR 20	
295/25 ZR 20	

21"

255/30 ZR 21
255/35 ZR 21
265/30 ZR 21
295/25 ZR 21
295/30 ZR 21
325/25 ZR 21

22"

265/30 ZR 22
295/30 ZR 22
305/25 ZR 22
335/25 ZR 22

23"

315/25 ZR 23

Number of sizes: 41 sizes

Rim: 19"–23"
Width: 225–335
Speed index: ZR (Y)



Continental SportContact 6 Supported the New Lap Time Record of Honda with its All New Civic Type R on “Nuerburgring Nordschleife”

This Record Proves that our Target has been Achieved:
Maximum Grip – Maximum Control – Maximum High Speed Stability





Thank you!

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