



Nipsil® Specialty Silica from TOSOH Silica Corporation

High-Performance Precipitated Silica from TOSOH Silica Corporation, Japan

Why Choose Nipsil?

TOSOH's silica is precisely engineered to deliver durability, shape retention, smooth surface quality, and consistent processing performance. Silica from TOSOH Corporation provide clear, measurable end-product benefits that differentiate your formulations.

Typical Properties	Silica grades for Non- Tyre Automotive Industries	
	Nipsil® NA Equiv. to Carplex 1120	Nipsil® E-74P
Physical State	Fine powder	Fine powder
pH (4% suspension)	10.0– 11.0	6.0– 8.0
Moisture Content (Wt%)	< 9.0	< 8.0
BET Surface Area	110 – 160 m ² /g	30– 60 m ² /g
Average Particle Size	–	2.3– 4.1 µm
Oil Absorption	230– 260 ml/100g	–

Properties & Processing Advantages

Key Properties	Processing Advantages
Efficient reinforcement delivering balanced hardness	Easier mixing with reduced energy and processing time
Excellent abrasion resistance & tear properties for durability	Optimized particle morphology ensures quick wet-out and uniform distribution
Low compression set compared to other available silica supporting shape retention under stress	Improved flow and handling for smoother extrusion and Moulding
Smooth surface finish for improved appearance and touch	Stable processing window that reduces scrap and variability

Product Positioning

Grades	Positioning
Nipsil® NA	High surface area silica designed for strong reinforcement, durability, and abrasion resistance, Heat Resistance
Nipsil® E-74P	Optimized for smooth processing, Excellent compression set Properties, Superior surface finish,

Typical Applications

- Automotive & industrial rubber compounds
- Hoses, seals, gaskets & moulded goods

