



SOLVAY

asking more from chemistry®

Tixosil®

Oral Care

Your partner for innovative
toothpaste formulations

Solvay, the partner of choice in Oral Care

Based on technological expertise and operational excellence, Solvay offers toothpaste formulators the highest quality of precipitated silica.



Solvay's silica: a safe ingredient

Solvay's silicas are precipitated amorphous silicas obtained from an inorganic synthesis process. Solvay's precipitated silica is a safe product in terms of manufacture, transportation and handling.

High quality, certified production sites

Solvay's precipitated silica production sites are certified ISO 9001, ISO 14001 and HACCP⁽¹⁾ analysis.

The Tixosil® range: customized products

Tixosil® products offer toothpaste manufacturers:

- Superior polishing and cleaning performance
- Thickening capabilities
- High compatibility with all formulations

Tixosil® abrasive silicas are designed to offer superior polishing properties, enhanced cleaning performance and compatibility with all of the ingredients in toothpaste formulations.

Tixosil® thickening silicas are designed to structure any type of paste or gel and achieve the targeted viscosity.

Abrasion	Product	RDA ⁽²⁾	Features
High	Tixosil® 63	120	High cleaning power silica and high compatibility with actives Recommended for whitening formulations
Standard	Tixosil® 73	100	Standard dentine abrasive silica Multipurpose cleaning for standard toothpaste
Low	Tixosil® SoftClean™	60	Mid level of dentine abrasion with efficient cleaning power Recommended for children's toothpaste and toothpaste for sensitive teeth
Thickening	Product	Median diam. (µm)	Features
High	Tixosil® 331	3,5	Recommended to structure pastes and gel
Standard	Tixosil® 43	10	
Crunchy effect	Product	Median diam. (µm)	Features
Micropearl	Tixosil® 68	250	Micropearl mouth feeling

(1) HACCP: Hazardous Analysis Critical Control Point (2) RDA: Relative Dentin Abrasivity



A wide range of benefits to solve today's formulation challenges

Whether you need high cleaning efficiency, mild abrasion or wide compatibility with actives, Tixosil® abrasive silica can meet your expectations.



Tixosil® SoftClean™:

Advanced cleaning technology for maximum dental respect

Tixosil SoftClean™ is a newly launched product that allows efficient cleaning power with a mild dentine abrasivity level. This is the best technology to remove plaque and tooth stains without compromising oral comfort.

Tixosil SoftClean™ is particularly recommended to formulate toothpastes for children or sensitive gums. It can be used alone or in combination with other abrasives.

Tixosil® 63:

Highly abrasive silica for maximum cleaning and excellent compatibility

Tixosil® 63 provides superior cleaning and whitening properties. It is also highly compatible with a variety of actives, which allows formulators to use the best actives available and ensure they are effectively delivered during brushing.

Tixosil® 63 is particularly recommended for whitening toothpaste formulations and other formulations that contain specific actives.

Tixosil® 73:

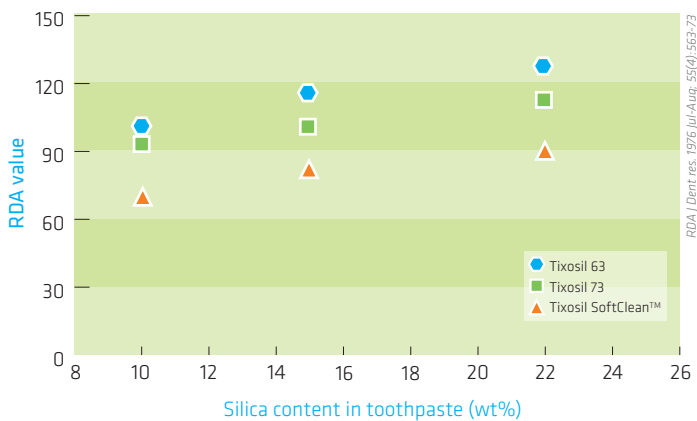
Medium abrasive for a large range of toothpaste formulations

Tixosil® 73 is a standard abrasive silica designed for multipurpose and total care usage. Its abrasion and cleaning power make it ideal for use in a wide range of formulations.

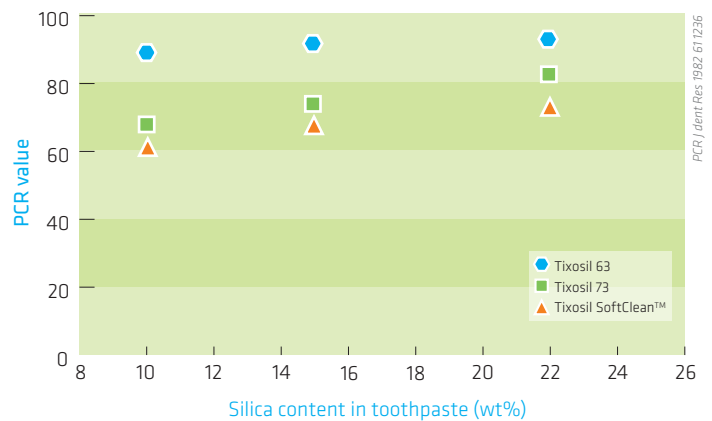
Tixosil® 73 is recommended for multipurpose toothpastes.

Due to their high transparency, Tixosil® products are particularly suitable for clear gel toothpastes.

RDA Abrasion level



Cleaning Power



Offering you R&D capabilities in various field such as rheology, abrasion, compatibility and optical properties.

Solvay Silica oral care application laboratory will support you to:



Global Industrial and R&D network

- Industrial site ■
- R&D Center ●



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