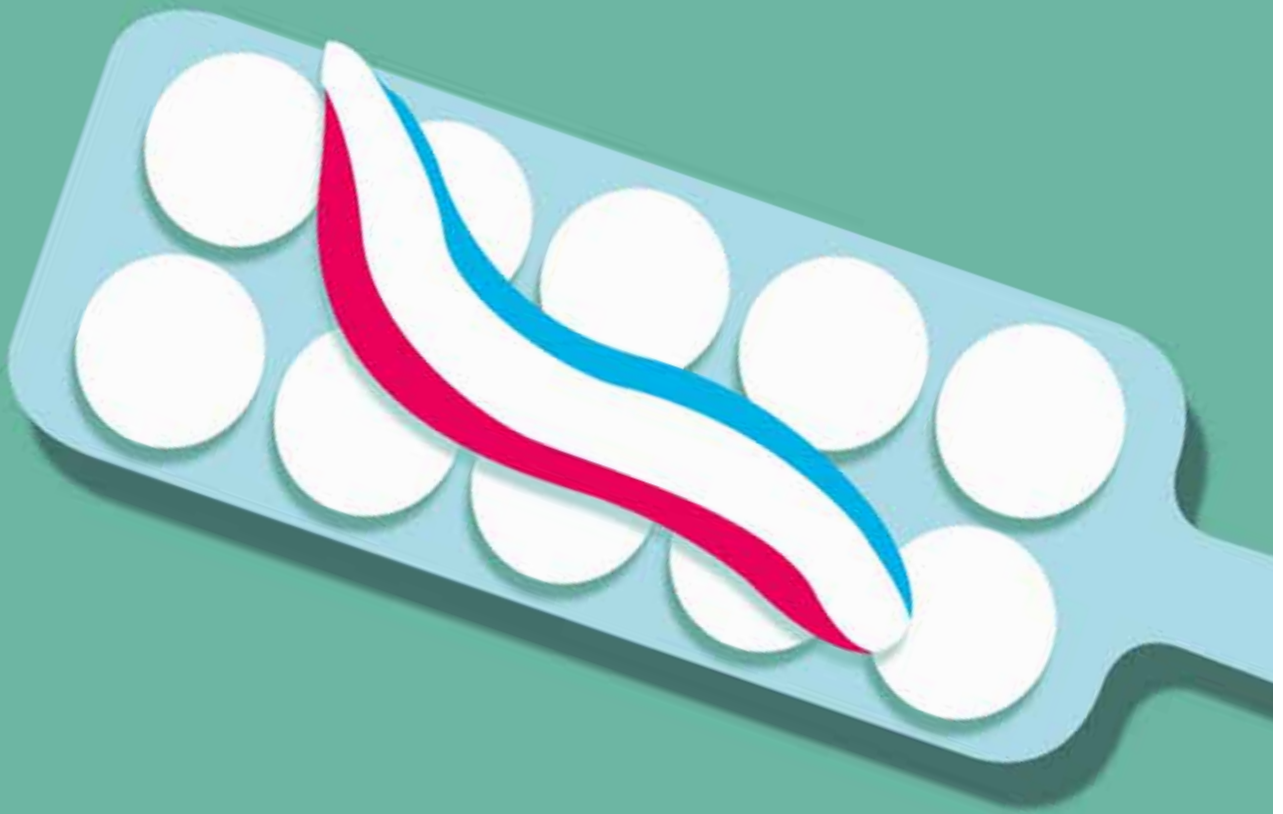


SORBOSIL[®] Dental Silicas



SORBOSIL® Dental Silicas

Sorbosil® Dental Silicas are natural products; **ECOCERT** certified for **“Natural” Formulations**, manufactured to **EFFCi GMP** standards and are both **Halal** and **Kosher**.

Sorbosil® Dental Silica Abrasives

The controlled structure of the Sorbosil® dental silicas enables formulators to manufacture a range of toothpastes and gels, differentiated by abrasion, cleaning power and refractive index. High purity Sorbosil® dental silicas offer good compatibility with functional additives suitable for all platforms, delivering clean teeth and healthy gums. All products within the Sorbosil® abrasive range can be used in combination with Sorbosil® Cleaning Boosters¹ AC23, AC43 or AC33 in dual abrasive systems that boost the cleaning efficiency of the toothpaste, maximising stain removal without the need for hard brushing or extended brushing times. Correct combinations of Sorbosil® abrasives with cleaning boosters improve the rate of stain removal, improve the PCR: RDA ratio of pastes and deliver polished teeth without harsh scratching.

Key Attributes of Sorbosil® Silica Abrasives ²

Sorbosil® Grade	AC39	AC36	AC35	AC77
Silica Relative Dentine Abrasion (RDA)	70	120	140	160
Silica Pellicle Cleaning Ratio (PCR)	95	105	110	115
Silica Plastics Abrasion Value (PAV)	5	8	12	18
Silica Particle Size (microns)	11	11	10	9

Sorbosil® Grade Features

AC39	Very low abrasive silica ideally suited to children’s and sensitive toothpastes
AC36	Low to medium abrasive silica perfectly suited to family toothpastes
AC35	Medium abrasive silica for the growing family
AC77	Medium to high abrasive silica for high cleaning and whitening toothpastes

¹ Information available upon request

² Indicative values, cannot be regarded as specifications

Sorbosil® Dental Silica Thickeners

Sorbosil® TC15 is a medium/high viscosity thickener for aqueous and non-aqueous formulations.

Sorbosil® TC10 is a more efficient thickener that builds viscosity more rapidly and is suitable for difficult aqueous formulations with high electrolyte (e.g. bicarbonate).

Key Attributes of Sorbosil® Silica Thickeners		
	TC15	TC10
Viscosity build	Medium / High	High
Particle size (microns)	10	7.5



- CAS Number: 112926-00-8

- INCI Name: Hydrated Silica

Benefits

- Meets USP, EP and JP monographs
- Manufactured according to HACCP
- Regularly monitored for the absence of E. Coli and S.Aureus
- FDA Permitted for use in Food, Drugs, Cosmetics and Toothpaste

Certifications

- EFCI Cosmetics GMP
 - ECOCERT
 - ISO:9001
 - Halal
 - Kosher
-



Technical Service

PQ Corporation offers a high standard of technical and analytical service to ensure optimum performance of its products.

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