



Quartz

Overview:

Quartz is a durable and versatile material used in countertops and surfaces. Engineered from natural quartz crystals combined with resin, quartz is widely used in kitchens, bathrooms, and commercial spaces due to its exceptional durability and aesthetic versatility.

Quartz is known for its high impact resistance, excellent durability, and resistance to scratches, heat, and stains. It comes in a variety of designs, including solid colors, marble-like veining, and granite patterns, making it popular for both functional and decorative uses. It is easy to clean and maintain, ideal for environments where hygiene and longevity are important.

Its non-porous surface prevents the growth of bacteria and mold, ensuring a hygienic surface that is perfect for food preparation areas. Quartz's combination of beauty and resilience makes it a preferred choice for high-traffic areas, offering both practicality and elegance in any setting.

Technical Data:

Test method:

Fourier Transform Infrared Spectrometer (FTIR)
Pyrolysis-Gas Chromatography Mass Spectrometry (PGC-MS)
Energy dispersive X-ray fluorescence spectrometer (EDX)
Thermogravimetric Analyzer (TGA)
X-ray Powder Diffractometer (XRD)

Test result:

No.	Composition	Content, Wt%
1	Unsaturated Polyester (UP)	14
2	Quartz	27
3	Glass	59

Note:

- Wt%- weight percent
- Quartz stands for crystallized silicon dioxide
- The sample contains a small amount of pigments, which are less than 1%
- Quantitative data is for reference only