


	Fabric quality 	Fabric quality 	Fabric quality 
Material	100% polyacrylic	100% polyester, staple fibre	100% polyester
Grammage	300g/m ²	250g/m ²	220g/m ²
Dyeing process	Spun-dyed fabrics	Spun-dyed fabrics	Piece-dyed fabrics
Lightfastness	Min. 350-700 days Level 7–8	Min. 350 days Level 7	Min. 80-160 days Level 5–6
Water resistance	> 350 mm	> 150 mm	> 100 mm
UV protection	> 98 %	> 98 %	> 98 %

 Grade 5 fabric quality is recommended due to the material properties and lightfastness.

Material

Polyacrylic: Excellent tensile strength and fabric tension thanks to a special manufacturing process. Plus a coating that inhibits the penetration of dirt particles and rot.

Polyester, staple fibre: Long service life with considerable tensile strength as well as fabric tension. **PLUS staple fibre:** The dyed fibres (spun-dyed) are cut again and twisted into new yarn with new blends. This gives them a very nice colour including a 3D effect and optimises the lightfastness.

Polyester: Long service life with considerable tensile strength as well as fabric tension.

Grammage

The grammage shows the density of the fabric. The more densely a fabric is woven, the higher and better the fabric properties such as durability and robustness. Fabrics of fabric quality 5 have the highest grammage and thus the best properties.

Dyeing process

Spun-dyed fabrics: Colour pigments reach the fibre core during the production of fabric qualities 4 and 5. The fabric is woven in a second step. **Piece-dyed fabrics:** The woven fabric of fabric quality 2 is dyed by the piece during an additional production step, with the dye only coating the thread.

Lightfastness

Defines the degree of fabric fading in the sun. If a parasol is constantly exposed to the sun's rays, the fabric will fade over time. How strongly and how quickly it fades depends on the fabric quality. Fabric quality 5 offers excellent lightfastness. Thanks to the spun-dyed polyacrylic fabric, in which the colour pigments reach the core of the fibre during production, the colour intensity of the canopy is maintained for 350 to 700 sunny days without losing its radiance.

Water resistance

Glatz canopies are water-repellent. The higher the water column of the fabric, the more water-repellent the canopy. Canopies of fabric quality 5 include awning fabrics that have a water column of over 350 mm. The canopies of fabric quality 4 (water column >150 mm) and fabric quality 2 (water column >100 mm) are also water-repellent. The water resistance can vary depending on the fabric quality and the amount and duration of precipitation.

UV protection

Every parasol protects against glaring sunlight, but not every parasol protects against the sun's dangerous ultraviolet (UV) rays. Although only a fraction of them reach the earth, UV rays can cause severe skin damage due to their intensity. All Glatz parasols – regardless of fabric quality – provide optimum protection against UV radiation and are all marked with the "UV-PROTECTION" test label of the accredited Swiss testing laboratory SOTS. More than 98% of harmful UV rays are filtered by our fabrics. This is equivalent to a sunscreen with sun protection factor 50.