



ARPAQUE OP 60

Arpaque OP 60 is an ammonia free, APEO and formaldehyde free organic opacifier.

Specification

	UNIT	VALUE	TEST METHOD
Solid Content 1/2h 150°C	%	30±1	DIN EN ISO 3251
pH		8±1	DIN ISO 976
Viscosity Brookfield RVDV-II	mPas	Max 500	DIN EN ISO 2555

Additional Data

These data are used solely to describe the product. They are not subject to constant monitoring or part of the specification.

	UNIT	VALUE	TEST METHOD
Specific gravity of polymer(wet)	g/cm ³	1,04±0.02	ISO 8962
Specific gravity of polymer(dry)	g/cm ³	0.6±0.02	
Appearance		White liquid	

Recommended Application Areas

A wide range of formulations including;

Exterior & Interior Paints and Coatings
Tinted Paints
Low & High PVC Paints

Application

Arpaque OP 60 is an APEO free non-film-forming opacifier, containing a water-filled void designed to be used in water based paints and other coatings. During the drying process, the water in the void diffuses through the polymer shell forming hollow air filled particles. This allows them to contribute significantly to film opacity as the refractive index versus air and the surrounding polymer is different.

The use of Arpaque OP 60 has no adverse effect on the durability of latex paints. In tinted paints, experience has shown that formulations containing Arpaque OP 60 exhibit a slight performance advantage in tint retention.

Another advantage of Argopaque is the lower binder demand for the formulation. The uniform, spherical shape and non-porous surface organic opacifiers have a very low specific surface area which makes it possible for paint formulators to work at higher pigment volume concentrations.



According to the requirements, the combination of these characteristics can be utilized either to reduce the cost without reducing the performance or to improve the paint performance without increasing the cost.

Shelf-life and Storage

The dispersion contains some initial preservatives to prevent attack by micro organisms. In order that the product is also sufficiently protected against microbial contamination during further storage in opened drums or storage tanks a suitable preservative should be added despite our preliminary preservation measures. Checks should be carried out to determine their compatibility and efficacy. The tanks and pipework should be kept adequately clean.

Arpaque OP 60 should not be stored for longer than 12 months before processing as far as possible, storage should be at a uniform temperature in the region of 5-35°C. The product should, in principle, be kept away from frost and direct exposure to sunshine. Furthermore it must be ensured that already opened drums or containers are always tightly closed.

The technical data ascertained by our quality control laboratory at the time of product release may vary according to storage time and storage conditions and may deviate from the stated limits.