

POLYMER ADDITIVES

JADEWIN 699

silane coupling agent

SPECIFICATION AND PHYSICAL PROPERTIES

TEST	UNIT	SPECIFICATION
APPEARANCE		LIGHT YELLOW TO YELLOW TRANSPARENT LIQUID
SOLID CONTENT	%	≥95.00
REFRACTIVE INDEX (25° C)		1.4150 ± 0.0050
VISCOSITY (25° C/CP)		100-500
AMINE VALUE (MG/KOH/G)		-

FEATURE AND APPLICATION

- JADEWIN 699 is an amino-functionalized organosilane coupling agent whose molecular structure contains both alkoxy groups capable of reacting with inorganic materials (glass, metals, fillers, etc.) and amino functional groups capable of reacting with or being compatible with organic resins (epoxy, polyurethane, acrylic, etc.).
- JADEWIN 699 improves the dispersion of inorganic fillers in polymer systems and reduces system viscosity; it also enhances the mechanical strength and interfacial stability of composite materials.
- JADEWIN 699 significantly improves the adhesion, water resistance, and corrosion resistance of coatings and adhesives on inorganic substrates. It is a pale yellow, transparent liquid with high solids content and stable performance.
- JADEWIN 699 can be used in coatings and adhesives—including epoxy, polyurethane, and acrylic systems—as an adhesion promoter to enhance bonding strength to glass, metals, and ceramics. Composites: Glass fiber/mineral filler-reinforced plastics and rubber; improves interfacial bonding and enhances mechanical properties. Plastic/Rubber Modification: Surface treatment agent for inorganic fillers; improves filler dispersion, reduces system viscosity, and enhances processability. Surface Treatment: Pretreatment of metal and glass substrates to improve the adhesion and corrosion resistance of subsequent coatings.

PACKING

25 Plastic Buckets

STORAGE

Keep container tightly closed and dry and storage in cool place



DISCLAIMER

For your information: The usage recommendations contained in this document are based on the general performance characteristics of our products and are provided for the buyer's reference only. These recommendations do not constitute any form of commitment, warranty, or part of a contract, nor should they be construed as an infringement of any patent rights. All data and results originate from controlled laboratory studies. The buyer must conduct testing and verification based on their specific application conditions to confirm the accuracy and applicability of this information.