

Dow Corning Z-6341 SILANE

Category : Other Engineering Material , Additive/Filler for Polymer

Material Notes:

Dow Corning® Z-6341 Silane is high purity, undiluted N-octyltriethoxy-silane. When diluted with an appropriate solvent, it can be used in the formulation of water repellent products. Upon proper application, the formulated product will penetrate and provide water repellency by chemically reacting with the cementitious substrate. Treated substrates are hydrophobic and retain their original appearance. Dow Corning Z-6341 Silane can also be used to improve the compatibility of mineral fillers or pigments in polyolefins or to ease their dispersion in nonpolar matrices. Dow Corning Z-6341 Silane is a small molecule to allow for deep penetration into the cementitious surface. This material reacts with moisture in the air and in the substrate in the presence of an alkaline or acidic environment to produce hydroxy groups. These hydroxy groups will bond with the substrate and itself to produce a hydrophobic treatment that inhibits water absorption into the substrate. An alkaline environment, such as new concrete, will catalyze the reaction and speed the formation of the hydrophobic surface. Information provided by Dow Corning

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Corning-Z-6341-SILANE.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.875 g/cc @Temperature 25.0 °C	0.875 g/cc @Temperature 77.0 °F	
Volatile Organic Compounds (VOC) Content	329 g/l	329 g/l	
Molecular Weight	276 g/mol	276 g/mol	

Thermal Properties	Metric	English	Comments
Flash Point	63.0 °C	145 °F	closed cup

Processing Properties	Metric	English	Comments
Shelf Life	24.0 Month	24.0 Month	

Descriptive Properties	Value	Comments
Appearance	clear	
Hydrophobic	yes	
Purity (%)	98	
Solvent	Isopropanol, ethanol or various flash-point mineral spirits	
Water Resistant	yes	

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