

Dow Corning 520 DILUTABLE WATER REPELLENT

Category : Fluid , Polymer , Thermoplastic , Siloxane

Material Notes:

Dow Corning® 520 Dilutable Water Repellent Emulsion is a 40 percent active silane/siloxane emulsion. It can be used at 40 percent actives or can be diluted in water to formulate a water repellent. As with any other common water repellent, upon proper application, the formulated product will penetrate and provide water repellency by chemically reacting with the substrate. Treated substrates are hydrophobic and retain their original appearance. The active ingredients in Dow Corning 520 Dilutable Water Repellent Emulsion are small molecules to allow for deep penetration into the surface. After the emulsion breaks, the active ingredients react with moisture to produce hydroxy groups. These hydroxy groups bond with the substrate and each other to produce a hydrophobic treatment that inhibits water absorption into the substrate. However, in the emulsion form, surfactants protect the reactive molecules from the water, providing emulsion stability. Information provided by Dow Corning

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Corning-520-DILUTABLE-WATER-REPELLENT.php

| Physical Properties | Metric | English | Comments |
|--|------------|------------|----------|
| Specific Gravity | 0.985 g/cc | 0.985 g/cc | |
| Volatile Organic Compounds (VOC) Content | <= 300 g/l | <= 300 g/l | |
| Volatiles | 60 % | 60 % | |
| pH | 4.5 | 4.5 | |

| Thermal Properties | Metric | English | Comments |
|--------------------|-----------|-----------|------------|
| Flash Point | >= 100 °C | >= 212 °F | closed cup |

| Processing Properties | Metric | English | Comments |
|-----------------------|------------|------------|----------|
| Shelf Life | 24.0 Month | 24.0 Month | |

| Descriptive Properties | Value | Comments |
|------------------------|-------------|----------|
| Active Content (%) | 40 | |
| Color | milky white | |
| Hydrophobic | yes | |
| Solvent | water | |
| Water Resistant | yes | |

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