

## Technical Data Sheet

### Capatue™ SLX-VS911

#### Abstract

Formulated silane (also called as silane cocktail) **SLX-VS911** is a silane grafting package for use in manufacturing of Sioplas compounds based on HDPE and MDPE especially for PEX-B pipe application

#### Equivalents

Silox<sup>®</sup> VS-911 from Momentive (formerly OSi Specialties)

#### Typical Properties

Index	Value
Appearance	Clear liquid
Color	Yellowish to light straw
Specific Gravity, g/cm <sup>3</sup> , @ 25 °C	0.956
Viscosity, mPa s (cP), @ 23 °C(2)	2.5
Flash Point, Tag Closed Cup	25

#### Key features and Typical Benefits

1. Provides high stability at the compounding step.
2. All ingredients are allowed in plastics for food contact.

#### Application

SLX-VS911 is an optimized silane grafting package for the manufacturer of PEX-b pipe with Sioplas process used for:

- Underfloor heating pipes
- Hot water pipes
- Sanitary and drinking water distribution



### Processing Recommendations

SLX-VS911, a proprietary grafting system, ensures a stable grafting process during the first step and a high crosslinking density on the cured pipe (second step).

#### Recommended resins

Type of HDPE resin:

Melt index(190 °C/2.16kg)	0.2 to 8.0 g/10min
Density	0.945 to 0.955 g/cm <sup>3</sup>

The moisture content of base resins must be less than 200 ppm. Pre-drying of the base resin at 70°C by means of an air desiccator is highly recommended.

Optimum addition level of formulated silane VS-911 has to be experimentally determined. As starting point does level is as follows:

Formulated silane VS-911 silane	1.2~2.2%
Melt temperature during the grafting	220~230 °C

Our technical personnel with advice the operating conditions of the compounding equipment.

### Packing

The regular packing of this product is 25kg plastic pail, 200L steel drums and 1000L immediate bulk container.

### Storage and Shelf Life

Should be stored in dry, cool, ventilated room; keep away from water, moisture, high temperature and fire. This product has a shelf life of at least 9 months if stored in tightly closed original container at room temperature.

#### **CAUTION: NEVER STORE THIS PRODUCT ABOVE 55°C (131°F)!**

If this product is kept beyond the shelf life recommend on the product label, it is not necessarily unusable, but a quality control should be performed on the properties relevant to the application.

### Product Safety and Handling

When considering the use of any Capatue products in a particular application, you should read our latest Material Safety Data Sheets (MSDS) thoroughly for handling instructions, personal protective equipment if necessary, other safety issue and toxicological data as well as for information on proper transportation, storage and use to ensure that the use you intend can be accomplished safely. Our latest

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Use of other material in conjunction with Capatue products may require addition precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

**This product is for industry use only; it is neither tested nor represented as suitable for food, medical or pharmaceutical uses.**

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