



## PLEXSTAB<sup>®</sup> - 18-A

### Stabilizer Grade 18-A

#### Characteristics

**PLEXSTAB<sup>®</sup> 18-A** is a stabilizing component based on elastomer modified polyethylene and active stabilizers for use in power insulation application. **STAB 18-A** is formulated for use in cables with **aluminum** conductor.

#### Application

**PLEXSTAB<sup>®</sup> 18-A** is designed to fulfill the heat and chemical stabilization requirement of insulation with or without the presence of copper. It can be used in the silane crosslinking systems to meet IEC aging requirements. Dosage rate is generally between 5.5% to 6.0%. The typical properties of finished insulation with **PLEXSTAB<sup>®</sup> 18-A** is as follows;

Properties	Test Method	Unit	Value
Tensile strength @ break	ISO R527	MPa	13.5
Ultimate Elongation	ISO R527	%	325
Dielectric Constant	IEC 811		2.3
Change in Tensile strength @ break after aging**	IEC 811	%	18
Change in Tensile strength @ break after aging**	IEC 811	%	19

\*\* : Aging @ 135 °C for 7 days

#### Technical Data

##### **Properties**

Physical form :	Solid pallet
Color :	Natural
Sp. Gravity @ 23 °C :	0.95
Melt Flow Index (2.16 kg) :	2 g / 10 mins
Moisture :	< 200 ppm

#### Storage and Handling

**PLEXSTAB<sup>®</sup> 18-A** is supplied in pallet form, packed in bags. Unopened bags can be stored for 1 year. Store bags in shaded area away from sunshine and rain.

This product can be readily conveyed and fed through conventional equipment designed for palletized polyethylene.

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Do you have the safety data sheet for this product? Please contact your service representative for one or E-mail us at: [plexchem@plexchem.com.sg](mailto:plexchem@plexchem.com.sg)

