



## Technical Data Sheet

# RHOPLEX™ 1785 100% Acrylic Polymer

### Description

RHOPLEX™ 1785 100% Acrylic Polymer is a high performance acrylic latex binder designed for caulk compounds. This 55% solids emulsion affords manufacturers a wide range of formulation latitude. RHOPLEX™ 1785 100% Acrylic Polymer formulations exhibit excellent joint movement capability, adhesion and durability. RHOPLEX™ 1785 100% Acrylic Polymer has been specifically designed to provide superior wet and dry adhesion properties. Caulk formulations based on this new binder cling tenaciously to a wide variety of construction substrates including glass, steel, and concrete. In addition to excellent adhesion, RHOPLEX™ 1785 100% Acrylic Polymer provides excellent durability. This polymer is characterized by good water resistance and the unsurpassed ultraviolet stability associated with acrylic chemistry. In addition, a unique proprietary design gives the binder exceptional Aymar durability. Formulations based on RHOPLEX™ 1785 100% Acrylic Polymer can tolerate 25% joint movement without cracking or rupturing.

### Sustainability Attribute:



### Uses / Applications

- Caulks and sealants

### Benefits

- Excellent joint movement capability, adhesion and durability
- Exceptional Aymar durability
- Resistance to cracking or rupturing
- Good water resistance
- Unsurpassed ultraviolet stability

## Physical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Property	Unit	Result
Appearance		Liquid, milky white
Solids	Wt. %	55
pH		4.9
Density	g/mL	1.075
Viscosity, @ 25°C	cPs	< 130
Tg, (Calculated)		-10
(MFFT)	°C	< 0

These properties are typical but should not be considered specifications. For detailed specification rates please consult the product Certificate of Analysis.

## Health & Safety Considerations

Safety Data Sheets (SDS) is available from The Dow Chemical Company. SDS is provided to help customers satisfy their own handling, safety and disposal needs and those that may be required by locally applicable health and safety regulations. SDS is updated regularly, therefore, please request and review the most current SDS before handling or using any product. For further questions consult your Dow contact person.

## Handling & Storage

RHOPLEX™ 1785 100% Acrylic Polymer should be stored at temperatures between 1°C and 49°C in tightly sealed containers. Avoid freezing of the material. Local legislation on storage must be followed.

We recommend using the product under safety precautions as described in the SDS. Avoid contact with eyes and skin. Large quantities should be handled in a correctly ventilated area. Material can create slippery conditions. As the product contains water corrosion-resistance equipment should be used for processing. Low shear pumps like diaphragm pumps should be used.

## Product Stewardship

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

## Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

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