

# CRAY VALLEY

Technical Data Sheet

## Ricobond® 1756 HS

### Powdered Maleinized Polybutadiene Dispersion

#### DESCRIPTION

Ricobond® 1756 HS is a low molecular weight, high vinyl butadiene functionalized with maleic anhydride, then dispersed on amorphous silica for ease in handling. It provides enhanced adhesion of rubber compounds to metal and textiles. The anhydride functionality can react with epoxy, amine, and hydroxyl groups, while the vinyl functionality is peroxide curable, enabling the creation of unique adhesives, sealants, encapsulants, and coatings.

#### PRODUCT HIGHLIGHTS / PERFORMANCE PROPERTIES

Free flowing powder  
Excellent reactivity  
Compatibility with polar and non-polar materials  
Moisture resistance  
Low temperature tackifier  
Reactive toughener for epoxies  
Reactive compatibilizer for thermoplastics

Adhesion promoter

#### SUGGESTED APPLICATIONS

Elastomers  
Coatings  
Electronics  
Encapsulants  
Sealants  
Compatibilizers

Adhesives

#### TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

| Property                | Value   | Unit  |   |
|-------------------------|---------|-------|---|
| Molecular Weight (Mn)*  | 3000    | g/mol |   |
| 1,2 Vinyl Content*      | 70      | wt. % |   |
| Viscosity @ 55°C*       | 110,000 | cps   |   |
| Tg*                     | -25     | °C    |   |
| MA (Groups/Chain)*      | 3       | -     |   |
| Specific Gravity @ 25°C | 70      | %     | - |
| *Resin properties       | 1.3     |       |   |



'CRAY VALLEY' is a brand name only. The Business Unit name 'CRAY VALLEY' or the brand name 'CRAY VALLEY' may be used for promotion and/or sale of CRAY VALLEY products by TotalEnergies Petrochemicals & Refining USA Inc. ('TEPRI') or by Cray Valley SA, Cray Valley HSC Asia Limited, Cray Valley (Guangzhou) Chemical Co., Ltd, Cray Valley Italia S.r.l and Cray Valley Czech S.r.o. ('Cray Valley Legal Entities'). TEPRI and each of the Cray Valley Legal Entities are independent entities (each are individually referred to as 'SELLER'). The information contained in this document is believed to be true and accurate on the date issued. Seller reserves the right to make any changes to the product according to technological progress or further developments. FINAL DETERMINATION OF SUITABILITY AND USE OF ANY PRODUCT FOR PROCESSING, USE, SALE, MARKETING, OR OTHER APPLICATION(S) IS THE SOLE RESPONSIBILITY OF THE BUYER/USER. IN NO EVENT WILL ANY SELLER ASSUME ANY LIABILITY WHATSOEVER FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION CONTAINED HEREIN OR RELIANCE THERETO. SELLER MAKES NO WARRANTIES OF ANY KIND, EXPRESSED OR IMPLIED, REGARDING THE PRODUCT OR THE INFORMATION CONTAINED IN THIS DOCUMENT, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, EVEN IF THAT PURPOSE IS KNOWN TO SELLER. SELLER MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, CONCERNING THE SUITABILITY OF THE PRODUCT(S) FOR PROCESSING OR FOR BUYER'S/USER'S INTENDED USE, PROCESSING, APPLICATION, SALE, OR MARKETING. SELLER MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, OF ANY TECHNICAL SUPPORT, ANY PROPRIETARY INFORMATION PROVIDED, OR THE RESULTS THAT MIGHT BE OBTAINED FROM TECHNICAL SUPPORT. ALTERATION OF THIS DOCUMENT IS STRICTLY PROHIBITED. For further information please contact your local sales representative or visit [www.crayvalley.com](http://www.crayvalley.com)