CRAY VALLEY

Technical Data Sheet

Ricon® 154

High Vinyl Homopolymer of Butadiene

DESCRIPTION

Ricon® 154 is a low molecular weight polybutadiene resin with high vinyl functionality for high reactivity and exceptional hydrophobicity. This resin is suitable for use in peroxide- and sulfur-cured elastomers, where it acts as a non-extractable plasticizer and process aid. Its polymeric structure gives excellent compatibility in saturated and unsaturated elastomers, especially olefinic-based elastomers and thermoplastic resins. The resin is a Type II coagent, giving excellent crosslink densities without affecting the rate of cure.

PRODUCT HIGHLIGHTS / PERFORMANCE PROPERTIES

High reactivity
Non-extractable process aid
Electrical insulator
Excellent dielectric properties
Excellent hydrophobicity
Low temperature flexibility
Coagent for elastomer cure
Good hardness
Scorch protection
Good compression set
Abrasion resistance
High tear strength

SUGGESTED APPLICATIONS

Coatings
Electronics
Encapsulants
Rubber
Wire and cable
Sealants
Thermoplastic modification

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Property	Value	Unit
Molecular Weight (Mn)	9,000	g/mol
1,2 Vinyl Content	79	wt. %
Viscosity @ 45°C	235,000	cps
Tg	-15	°C
Specific Gravity @ 25°C	0.89	-

Version Dec-24

TotalEnergies

'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 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 STRICLTY PROHIBITED. For further information please contact your local sales representative or visit www.crayvalley.com