

THERBAN[®] XT VP KA 8889 (Trial Product)

Product Description

Partially hydrogenated carboxylated butadiene acrylonitrile ter-polymer. Therban[®] XT VP KA 8889 yields compound vulcanizates with particularly enhanced abrasion resistance, tear strength and adhesive properties.

Supply Form

Bales

Raw Material Properties

Property	Nominal Value	Unit	Test Method
Mooney Viscosity UML (1+4) 100°C	77 ± 15	MU	ISO 289/ASTM D 1646
Acrylonitrile content	33 ± 1.5	wt %	ISO24698-1
Residual double bonds	3.5 ± 1.0	%	IR Spectroscopy
Volatile matter	≤ 0.49	wt %	ISO 248/ASTM D 5668

Other Product Features

Property	Typical Value
Application	THERBAN [®] XT VP KA 8889 can be used for application in rubber goods requiring good resistance to heat and oils while providing superior abrasion, hot tear and adhesive properties. Typical applications may include oil field components, rubber roll covers, belting, shaft seals and adhesives.
Processing	Conventional procedures are employed for mixing THERBAN [®] XT rubber compounds on open mills or in internal mixers. It is suggested that mix temperatures be maintained under 150°C/302°F. Compound stickiness to metal can be avoided by use of stearates at 1 phr level. Add zinc or magnesium containing ingredients at second stage mix. Use zinc peroxide instead of zinc oxide for good scorch safety.
Compounding	THERBAN [®] XT VP KA 8889 compounds can be cured by both peroxide and sulfur cure systems and can be used to advantage in blends with regular THERBAN [®] grades. The curatives (including all multi-valent metal containing compounds) are preferably added in a second pass mixing cycle or on an open mill at temperatures not exceeding 230°F/110°C.

THERBAN[®] XT VP KA 8889 (Trial Product)

Specific gravity	0.97		
Total Ash	≤ 0.49	wt %	ISO 247/ASTM D 5667
Stabilizer	Non-staining		
Solubility	Soluble in MEK, acetone		
Color	Light brown		
Packaging	25 kg bales wrapped in blue PE film, strippable / dispersible (melting point of film = 85 - 110°C, Vicat softening point = 71°C, 0.08 mm thick), pallets of 20 bales (500 kg)		
Shelf life	36 months from date of production at temperatures not exceeding 35°C in dry conditions; exposure to light has to be avoided		

THERBAN[®] is a Registered Trademark of LANXESS Deutschland GmbH

Developmental/Trial Product:

Developmental/Trial products (noted as such or designated by the letters VP in the product code) are not considered part of the ARLANXEO Corporation line of standard commercial products. Complete commercialization and continued supply are not assured. The purchaser/user agrees that ARLANXEO Corporation reserves the right to discontinue this product without prior notice.

Health and Safety Information: Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling the ARLANXEO products mentioned in this publication. For materials mentioned which are not ARLANXEO products, appropriate industrial hygiene and other safety precautions recommended by their manufacturers should be followed. Before working with any of these products, you must read and become familiar with the available information on their hazards, proper use, and handling. This cannot be overemphasized. Information is available in several forms, e.g., *material safety data sheets and product labels*. Consult your ARLANXEO Corporation representative or contact the Product Safety and Regulatory Affairs Department at ARLANXEO.

ARLANXEO Corporation

111 RIDC Park West Drive · Pittsburgh, PA 15275 · Phone: 1-800-526-9377 ARLANXEO · www.US.ARLANXEO.com

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by us. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use. No license is implied or in fact granted under the claims of any patent. As with any product, use of the products mentioned in this publication in a given application must be tested (including field testing, etc.) by the user in advance to determine suitability.

Issue number: ARL 01 / Date of issue: May 20, 2016 / Previous issue from LXS 05 January 01, 2010 / Information current as of date of issue. Please contact your ARLANXEO representative to determine if this publication has been revised.