

THERBAN[®] VP KA 8796 (Trial Product)

Product Description

Therban VP KA 8796 is a masterbatch of Therban 3467 with zinc diacrylate monomers and proprietary viscosity modifiers and scorch retardants. The rubber hydrocarbon content is approximately 50% and the zinc diacrylate content is approximately 39.1%. Compounds prepared from Therban VP KA 8796 mixed with Therban 3467 must be vulcanized by peroxide curing systems. Peroxide curing systems are recommended if an optimum balance of compression set behavior and improved heat resistance is desired. CAUTION: Unsaturated carboxylic acid salts as compounding ingredients, whether preformed or produced in-situ, will bond directly to mild steel and clean aluminum surfaces. PTFE mold lubricants or permanent PPS/PTFE resin coatings on mold surfaces are recommended.

Supply Form

Pellets

Raw Material Properties

Property	Nominal Value	Unit	Test Method
Mooney Viscosity UML (1+4) 100°C	22 ± 7	MU	ISO 289/ASTM D 1646
Acrylonitrile content of base polymer	34 (*)	wt %	ISO24698-1
Residual double bonds of base polymer	5.5 (*)	%	IR Spectroscopy

(*) Target Value

Other Product Features

Property	Typical Value												
Specific gravity	1.14												
Cure characteristics	MDR 170°C, micro-dies, ± 0.5 degree arc, 30 min running time and no preheat												
	Typical values:												
	<table border="1"> <thead> <tr> <th>Property</th> <th>Value</th> <th>Test Method</th> </tr> </thead> <tbody> <tr> <td>Delta torque</td> <td>43 dNm</td> <td>ASTM D 5289</td> </tr> <tr> <td>ts2</td> <td>1.0 min</td> <td>ASTM D 5289</td> </tr> <tr> <td>Mooney scorch t5 at 135°C</td> <td>20 min</td> <td>ASTM D 1646</td> </tr> </tbody> </table>	Property	Value	Test Method	Delta torque	43 dNm	ASTM D 5289	ts2	1.0 min	ASTM D 5289	Mooney scorch t5 at 135°C	20 min	ASTM D 1646
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Test formulation:	THERBAN [®] VP KA 8796 100 (phr) THERBAN [®] C 3467 50 Poly Dispersion VC 60 P 4
Color	Light yellow pellets
Packaging	Pellets in a 20 kg bag, (melting point of bag = 85°C, Vicat softening point = 71°C) Bag shipped in cardboard box to exclude contamination and minimize damage
Shelf life	12 months from date of production at temperatures not exceeding 35°C in dry conditions; exposure to light has to be avoided

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Note: The information contained in this publication is current as of January 01, 2010. Please contact LANXESS Corporation to determine if this publication has been revised.

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