

UBE UBEPOL VCR412 Synthetic Rubber Vulcanizate (Cured 50 Minutes at 145°C)

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

Material Notes:

Description: UBEPOL-VCR is a new type of synthetic rubber system developed by UBE's original technology. UBEPOL-VCR consists of micro-dispersed syndiotactic 1,2-polybutadiene (SPB) with high melting point and crystallinity, and high cis-1,4-polybutadiene rubber matrix. UBEPOL-VCR is improved on the processability and a lot of physical properties of the conventional polybutadiene rubber (BR).Information provided by UBE.

Order this product through the following link:

http://www.lookpolymers.com/polymer_UBE-UBEPOL-VCR412-Synthetic-Rubber-Vulcanizate-Cured-50-Minutes-at-145C.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	73	73	ASTM D412
Tensile Strength at Break	17.7 MPa	2570 psi	ASTM D412
Elongation at Break	340 %	340 %	ASTM D412
100% Modulus	0.00450 GPa	0.653 ksi	ASTM D412
200% Modulus	0.0103 GPa	1.49 ksi	ASTM D412
300% Modulus	0.0161 GPa	2.34 ksi	ASTM D412
Rebound	49 %	49 %	BS.903,PART22
Tear Strength	58.0 kN/m	331 pli	ASTM D624
Abrasion	72	72	Lombourn Abrasion Index (Iwamoto Seisakusyo, Japan); UBE Method
	290	290	Pico Abrasion Index; ASTM D2228
Compression Set	17 %	17 %	Method B, 70°C, 72hrs; ASTM D395

Descriptive Properties	Value	Comments
Cut Generation De Mattia Flexing Machine	Min 300,000 times	ASTM D430
Cut Growth (2mm-->15mm) De Mattia Flexing Machine	29000 times	ASTM D313
Goodrich Flex, 0.175" Stroke, 55lb, 100°C, P.S.	17%	ASTM D623 (40°C change in temperature)
Wet Skid Resistance on Safety-Walk	22	UBE Method (British Portable Skid Resistance Tester)

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