

UBE UBEPOL BR100 Non-Oil Extended Synthetic Rubber Vulcanizate (Cured 50 Minutes at 145°C)

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

Material Notes:

Description: UBEPOL BR is UBE's line of polybutadiene rubber products. Information provided by UBE.

Order this product through the following link:

http://www.lookpolymers.com/polymer_UBE-UBEPOL-BR100-Non-Oil-Extended-Synthetic-Rubber-Vulcanizate-Cured-50-Minutes-at-145C.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	62	62	ASTM D412
Tensile Strength at Break	17.9 MPa	2600 psi	ASTM D412
Elongation at Break	490 %	490 %	ASTM D412
100% Modulus	0.00220 GPa	0.319 ksi	ASTM D412
200% Modulus	0.00530 GPa	0.769 ksi	ASTM D412
300% Modulus	0.0101 GPa	1.46 ksi	ASTM D412
Rebound	57 %	57 %	BS.903,PART22
Tear Strength	47.0 kN/m	268 pli	ASTM D624
Abrasion	98	98	Lombourn Abrasion Index (Iwamoto Seisakusyo, Japan); UBE Method
	202	202	Pico Abrasion Index; ASTM D2228
Compression Set	16 %	16 %	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	2400 times	ASTM D313
Goodrich Flex, 0.175" Stroke, 55lb, 100°C, P.S.	9%	ASTM D623 (33°C change in temperature)
Wet Skid Resistance on Safety-Walk	18	UBE Method (British Portable Skid Resistance Tester)

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