

UBE UBEPOL BR150L Synthetic Rubber (Compound)

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-BR150L-Synthetic-Rubber-Compound.php

Physical Properties	Metric	English	Comments
Mooney Viscosity	54.2 @Temperature 100 °C	54.2 @Temperature 212 °F	ML1+4; ASTM D1646

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	0.480 MPa	69.6 psi	
Elongation at Break	1290 %	1290 %	
Modulus of Elasticity	0.000230 GPa	0.0334 ksi	600% Modulus
50% Modulus	0.000220 GPa	0.0319 ksi	
300% Modulus	0.000200 GPa	0.0290 ksi	

Thermal Properties	Metric	English	Comments
Shrinkage	44 %	44 %	Mill Shrinkage

Processing Properties	Metric	English	Comments
Extrusion Rate	74.5 g/min	74.5 g/min	
Cure Time	10.1 min	0.168 hour	t10
	12.6 min	0.210 hour	t90

Descriptive Properties	Value	Comments
Die Swell	4.32 g/min	

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