



SABIC® BR 4010

POLYBUTADIENE RUBBER

DESCRIPTION

SABIC® BR 4010 is a high cis-1,4 Polybutadiene rubber stabilized with a non-staining antioxidant. SABIC® BR 4010 is manufactured by solution polymerization process using stereo-specific Nickel catalyst system to control microstructure, Molecular weight and Molecular weight distribution. Polymer macrostructure of SABIC® BR 4010 has been modified from linear to branched without altering the high cis microstructure that provide good storage stability.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
CHARACTERISTIC			
Appearance	Off white to amber	Visual	Visual
POLYMER PROPERTIES			
Mooney viscosity			
ML 1+4 @100 °C ⁽¹⁾	40	MU	ASTM D1646
Volatile Content			
Volatiles	≤0.5	%	ASTM D5668
Extractables	1.65	%	ASTM D5774
Organic acid	0.775	%	ASTM D5774
Ash Content			
-	≤0.25	%	ASTM D5667
Cis 1,4 Content			
-	≥96	%	SABIC method