

Technical Data Sheet

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WellButren™ BIIR-4602
Brominated Isobutylene Isoprene Rubber
Composition

Bromide isobutylene-isoprene copolymer rubber.

Specification

Properties	Index	Test Method
	4602	
Appearance	White-light yellow rubber block	Visual
Mooney Viscosity (ML1+8, 125°C), MU	46 ± 5	GB/T 1232.1-2000
Volatiles, wt%	≤ 0.5	GB/T 24131-2009
Bromine Content, wt%	2.0± 0.2	Q/SD 031-2020
Total Ash, wt%	≤ 0.7	GB/T4498.1-2013
Antioxidant (non-staining), wt%	≥ 0.02	Q/SD 031-2020
Stabilizing agent, wt%	1.3 ± 0.3	Q/SD 031-2020

Cure Characteristics

Properties	Unit	Index	Test Method
FL	dN·m	2.7 ± 1.0	ASTM D3958 Rotorless rheometer (MDR) 160℃*40min,0.5° arc
FH	dN·m	8.2± 2.0	
tsl	min	3.8±1.2	
tc50	min	6.0 ± 1.5	
tc90	min	9.0± 2.0	
Test Formulation	ISO 7663/ASTM D 3958 BIIR-4602 100, IRB#7 40, ZnO 5, St.A 1		



Applications

Bromobutyl rubber has excellent air tightness, heat resistance, chemical resistance, ozone aging resistance, good vulcanization properties and compatibility. Can be widely used in tires, medical rubber stoppers, anti-corrosion lining, protective clothing, shoes, TPV and other production areas.

Safety & Toxicity

Bromobutyl rubber is polymer in solid with stable performance. It is harmless and not dangerous for humans, plants and animals. For relevant safety data and reference, please refer to MSDS.

Packaging

34 ± 0.5 kg/bale in EVA film.

Pallets of plywood box of 1224kg with 36 bales.

Storage Life & Conditions

Two years with keeping storage & transport under 35°C and protected against sunlight.

