

NBR

NBR is a copolymer of butadiene and acrylonitrile to be manufactured by cold emulsion polymerization through the advanced technology and process.

NBR is a non staining, medium low mooney, and medium high acrylonitrile polymer designed for good green strength, high productivity and excellent elastic properties.

NBR offers very fast cure rate, low mold fouling, and high resilience.

NBR is preferably used for molded rubber parts such as gaskets, packing, and o-ring. And also, can be used for high elasticity parts like anti-vibration system, rubber roller, etc

BASIC PROPERTIES		VULCANIZATE PROPERTIES	
Polymerization	Cold Emulsion	Recipes (ASTMD3187)	
Bound AN Content (%)	34.0	NBR	100.0 phr
Volatile Matter (%)	0.3	HAF (IRB #8)	40.0
Ash (%)	Max. 1.0	ZnO	3.0
Stabilizer	Non-Staining	Stearic Acid	1.0
Mooney Viscosity _(ML1+4,100°C)	45	TBBS	0.7
Color	Light Tan	Sulfur	1.5
Specific Gravity	0.98	Total	146.2
Packaging Information		Stress-Strain Properties	
Bale Weight	35kg	(ASTMD412, 145°C × 50min. Cured)	
Bale wrapping film: LDPE		300% Modulus(kg/cm ²)	170
Shelf Life: 18 months from date of production at room temperatures not exceeding 30°C under belowed storage condition (Retest critical parameters like MV and others after the expiry of shelf life).		Elongation (%)	460
Storage condition		Tensile (kg/cm ²)	280
NBR should be stored in warehouse to be protected from sunlight, heat, moisture and foreign materials.			

*The above data is a typical value, therefore there may be a slight difference between the elements of a supplied product and the data.