



Rubber & Specialty Polymers Team / Tech-Center
 188, Munji-ro, Yuseong-gu, Daejeon City, 305-738, Korea
 TEL 82-42-719-3622/3626 FAX : 82-42-719-3684

NBR 3445

NBR 3445 is a copolymer of butadiene and acrylonitrile to be manufactured by cold emulsion polymerization through the advanced technology and process of LG Chem.

NBR 3445 is a non staining, medium low mooney, and medium high acrylonitrile polymer designed for good green strength, high productivity and excellent elastic properties.

NBR 3445 offers very fast cure rate, low mold fouling, and high resilience.

NBR 3445 is preferably used for molded rubber parts such as gaskets, packing, and o-ring.

And also, this grade can be used for high elasticity parts like anti-vibration system, rubber roller, etc

BASIC PROPERTIES		VULCANIZATE PROPERTIES	
Polymerization	Cold Emulsion	Recipes(ASTM D3187)	
Bound AN Content(%)	34.0	NBR 3445	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	(ASTM D412, 145°C×50min. Cured)	
Bale wrapping film : LDPE		300% Modulus(kg/㎠)	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/㎠)	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.



● DAESAN PLANT : Tel 82-41-661-2702 FAX 82-41-661-2709
 ● R&D CENTER : Tel 82-42-866-5763 FAX 82-42-861-7146
 ● SEOUL OFFICE : Tel 82-2-3773-7923 FAX 82-2-3773-3071
 ● PUSAN OFFICE : Tel 82-51-801-2669 FAX 82-51-801-2650