



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 2875

NBR 2875 is a copolymer of butadiene and acrylonitrile to be manufactured by cold emulsion polymerization through the advanced technology and process of LG Chem.

NBR 2875 is a non staining, high mooney, and medium low acrylonitrile polymer designed to aid in processing operations such as extrusion and press molding. And also, this grade offers good flexibility and elasticity in low temperature by the minimized block structure structure on polymer chain.

NBR 2875 is preferably used for industrial and automotive hoses and many rubber parts such as roller, gasket and o-rings. And also, it can be used for foam insulation application due to excellent elasticity and good flexibility in low temperature.

BASIC PROPERTIES		VULCANIZATE PROPERTIES	
Polymerization	Cold Emulsion	Recipes(ASTM D3187)	
Bound AN Content(%)	28	NBR 2875	100.0 phr
Volatile Matter(%)	0.2	HAF(IRB #8)	40.0
Ash(%)	0.5	ZnO	3.0
Stabilizer	Non-Staining	Stearic Acid	1.0
Mooney Viscosity(ML1+4,100°C)	75 (milled)	TBBS	0.7
Color	Light Tan	Sulfur	1.5
Specific Gravity	0.98	Total	146.2
Packaging Information		Stress-Strain Properties (ASTM D412, 145°C×50min. Cured)	
Bale Weight	35kg	300% Modulus(kg/cm <sup>2</sup> )	190
Bale wrapping film : LDPE		Elongation(%)	435
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).		Tensile strength(kg/cm <sup>2</sup> )	290
Storage condition			
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