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NBR 2255

NBR 2255 is a copolymer of butadiene and acrylonitrile to be manufactured by cold emulsion polymerization through the advanced technology and process of LG Chem.

NBR 2255 is a non staining, medium mooney, and low acrylonitrile polymer designed to aid in processing operations such as extrusion and press molding. And also, this grade offers excellent flexibility and elasticity in low temperature by the minimized block structure and low acrylonitrile content on polymer chain.

NBR 2255 is preferably used for industrial belt, hoses, and many rubber parts such as seal and gasket. And also, it can be used for the industrial roller and low hardness roller of office printer due to good dynamic elasticity.

BASIC PROPERTIES		VULCANIZATE PROPERTIES	
Polymerization	Cold Emulsion	Recipes(ASTM D3187)	
Bound AN Content(%)	22	NBR 2255	100.0 phr
Volatile Matter(%)	0.2	HAF(IRB #8)	40.0
Ash(%)	0.4	ZnO	3.0
Stabilizer	Non-Staining	Stearic Acid	1.0
Mooney Viscosity(ML1+4,100°C)	55 (milled)	TBBS	0.7
Color	Light Tan	Sulfur	1.5
Specific Gravity	0.95	Total	146.2
Packaging Information		Stress-Strain Properties	
Bale Weight	35kg	(ASTM D412, 145°C×50min. Cured)	
Bale wrapping film : LDPE		300% Modulus(kg/cm ²)	155
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(%)	465
Storage condition		Tensile strength(kg/cm ²)	265
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.



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