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## NBR 6240

NBR 6240 is a copolymer of butadiene and acrylonitrile manufactured by advanced emulsion polymerization technology of Goodyear and LG Chem.

NBR 6240 is a non staining, medium low mooney, and medium high acrylonitrile polymer designed to aid in processing operations such as extruding and calendering.

NBR 6240 is a low temperature polymerized polymer, and such as, retains the excellent physical and processing properties of a cold nitrile rubber.

NBR 6240 is recommended to use in packings, shoe products, chemically blown sponge, oil field products, industrial and automotive molded parts.

BASIC PROPERTIES	VULCANIZATE PROPERTIES																																																				
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- 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

## NBR 6240 PACKING STUDY

COMPOUND RECIPES		PROPERTIES OF COMPOUNDS	
NBR 6240	100 phr	Mooney Viscosity(ML1+4,100°C)	51
Carbon Black(SRF)	80.0	Rheometer(MDR,160°C×12 min,1 ° Arc, MDR)	
Zinc Oxide	5.0	ML(lb-in)	1.4
Stearic Acid	1.0	MH (lb-in)	23.6
Antioxidant(RD)	2.0	ts1 (min.)	1.2
Antioxidant(3-C)	1.0	Tc'50 (min.)	1.8
Plasticizer(DOP)	10.0	Tc'90 (min.)	2.8
Sulfur	0.5		
TT	1.0		
CZ	2.0		
<b>Total</b>	<b>202.5</b>		

Basic Properties(145°C×20min. Cured)		
Hardness(shore A)		69
Elongation(%)		400
Tensile (kg/cm <sup>2</sup> )		187
Circulating Oven Aging(100°C×72hrs)		
Hardness Change(point)		+4
Tensile Change(%)		+5.6
Elongation Change(%)		-26.8
Aged ASTM #1 Oil(100°C×72hrs)		
Hardness Change(point)		+4
Tensile Change(%)		+4.4
Elongation Change(%)		-27.7
Volume Swell(%)		-6.8
Aged ASTM #3 Oil(100°C×72hrs)		
Hardness Change(point)		0
Tensile Change(%)		+4.9
Elongation Change(%)		-23.0
Volume Swell(%)		-2.8
Aged FUEL C(R.T°C×72hrs)		
Hardness Change(point)		-24
Tensile Change(%)		-50.1
Elongation Change(%)		-46.9
Volume Swell(%)		+40.8
Compression Set(160°C×30min. Cured)		
100°C×72hrs(%)		21.1
Rebound(30°C, %)		43.1
AKRON Abrasion		0.2895

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