

# SIBUR Synthetic Rubber NBR 4045

Acrylonitrile Butadiene Rubber

SIBUR, LLC

## Message:

NBR 4045 and NBR 4065 are essentially an acrylonitrile (36-40 %) and 1,3-butadiene copolymer obtained by emulsion polymerization method with the use of fatty acid soaps as emulsifier in accordance with the ecologically clean technology. High content of acrylonitrile, very high oil resistance. Product characteristics: Appearance - bales of light-yellow to pink or light-beige color depending on used antioxidant; weight of a bale - (30 ± 1) kg; packing - a plastic container 540 kg; shelf life - one (1) year since the date of manufacture.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Oil Resistant		
Forms	Bale 2		
Physical	Nominal Value	Unit	Test Method
Mooney Viscosity (ML 1+4, 100°C)	42 to 48	MU	ASTM D1646
Acrylonitrile Content	36.0 to 40.0	%	Internal Method
Ash Content	< 0.50	%	ASTM D5667
Volatile Matter	< 0.80	%	ASTM D5668
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	> 24.0	MPa	ASTM D3189
Tensile Elongation <sup>2</sup> (Break)	> 430	%	ASTM D3189
NOTE			
1.	ASTM D3185 (method A), 145°C × 25, 35, 50 mm		
2.	ASTM D3185 (method A), 145°C × 25, 35, 50 mm		

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