

## LG Chemical NBR 6830 High Acrylonitrile Polymer

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

### Material Notes:

Description: NBR 6830 is a copolymer of butadiene and acrylonitrile manufactured by advanced emulsion polymerization technology of Goodyear and LG Chem. NBR 6830 is a non staining, medium low mooney, and medium high acrylonitrile polymer designed for easy processing, high productivity and excellent elastic properties. NBR 6830 offers very low mold fouling, fast cure, and high resilience. NBR 6830 is low mooney version of NBR 6840 Applications: NBR 6830 is recommended to use in wide range of general purpose applications including injection molded o-rings, calendared belting, extruded hose and sponge. CAS No: 9003-18-3 Information provided by LG Chemical

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LG-Chemical-NBR-6830-High-Acrylonitrile-Polymer.php](http://www.lookpolymers.com/polymer_LG-Chemical-NBR-6830-High-Acrylonitrile-Polymer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.980 g/cc	0.980 g/cc	
Volatiles	0.30 %	0.30 %	
Mooney Viscosity	31 @Temperature 100 Â°C	31 @Temperature 212 Â°F	ML 1+4
Ash	<= 1.0 %	<= 1.0 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	27.0 MPa @Temperature 145 Â°C, Time 2990 sec	3920 psi @Temperature 293 Â°F, Time 0.830 hour	cured; ASTM D412
Elongation at Break	500 % @Temperature 145 Â°C, Time 2990 sec	500 % @Temperature 293 Â°F, Time 0.830 hour	cured; ASTM D412
300% Modulus	0.0142 GPa @Temperature 145 Â°C, Time 2990 sec	2.06 ksi @Temperature 293 Â°F, Time 0.830 hour	cured; ASTM D412

Descriptive Properties	Value	Comments
Bound AN Content	0.34	
Color	Light Tan	
Components	HAF (IRB#7)	40 phr, ASTM D3187
	NBR 6830	100 phr, ASTM D3187
	Stearic Acid	1 phr, ASTM D3187

Descriptive Properties	Value	Comments
	TBBS	0.7 phr, ASTM D3187
	ZnO	3 phr, ASTM D3187

## Contact Songhan Plastic Technology Co.,Ltd.

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