

Zhanber[®] HNBR

Grade	ACN (%)	Mooney (ML1+4@ 100C)	I ₂ Value (mg/100mg)	Description & Application
Low Temperature				
28255	28	50	28	Low ACN, medium Mooney, low saturation grade with excellent low temperature flexibility. Sulfur curable.
General Purpose				
35253	34	30	28	Medium ACN, low Mooney, low saturation grade with very low viscosity. Ideal for applications needing improved dynamic and adhesion properties and where the high flow is required. Sulfur curable.
35256	34	60	28	Medium ACN, medium Mooney, low saturation HNBR grade with excellent processing, dynamic properties, and low temperature performance. Sulfur curable.
35258	34	80	28	Medium ACN, high Mooney, low saturation grade with an excellent balance of oil and low temperature resistance along with very good dynamic and adhesion properties. Sulfur curable
35153	36	30	12	Medium-high ACN, very-low Mooney partially saturated grade with a good balance of resistance to non-polar hydrocarbons, heat and ozone resistance. Ideal for thin cross-sections. Sulfur cure provides improved dynamic & adhesion properties.
35156	36	60	12	Medium-high ACN, medium Mooney, partially saturated grade with excellent processing and very good resistance to non-polar hydrocarbons, heat, and ozone. Sulfur cure provides improved dynamic and adhesion performance.
35056	36	65	5	Medium-high ACN, fully saturated, grade with excellent resistance to non-polar hydrocarbons, heat and ozone. Requires a peroxide cure.
35158	36	80	12	Medium-high ACN, high Mooney partially saturated grade suitable for molding or extrusion where some back pressure may be needed to prevent voids. Sulfur cure provides improved dynamic and adhesion properties.
35058	36	85	5	Medium-high ACN, fully saturated grade suitable for both molding and extrusion applications requiring enough back pressure to ensure void-free parts. Excellent resistance to hydrocarbons, heat, and ozone. Requires a peroxide cure
350512	36	125	5	Medium-high ACN, very high Mooney, fully saturated grade suitable where higher viscosities may be necessary to mold large parts or extrusion may require improved green strength. Requires a peroxide cure.

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Grade	ACN (%)	Mooney (ML1+4@ 100C)	I ₂ Value (mg/100mg)	Description & Application
Fuel Resistant				
43056	43	65	5	High ACN, medium Mooney, fully saturated grade offering excellent resistance to many fuels and oils along with outstanding heat and ozone. Requires a peroxide cure.
43156	43	65	12	High ACN, medium Mooney, partially saturated grade suitable where excellent fuel and oil resistance is required.
43058	43	80	5	High ACN, high Mooney, fully saturated grade with excellent resistance to many fuels and oils to maximize vapor permeation resistance. Also has very good heat and ozone resistance. Requires a peroxide cure

HNBR is a high performance elastomer that has found widespread application in automotive sealing and belting, petrochemical, and other demanding markets.

This elastomer class combines significant mechanical strength, excellent fluid and fuel resistance, and the high temperature stability of a partially or fully saturated backbone. The combination of these desirable properties enables HNBR to be widely used in many demanding applications. Unlike the FKM-type polymers the compounding and processing is more similar to NBR and seldom requires post curing.

Zhanber® HNBR elastomers are available in a wide range of oil, fuel, and low temperature resistance which offers the compounder a wide range of options.



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