

Repearl® Nitrile Rubber (NBR) & OZO (NBR/PVC) Blend

Applications:

Industrial and Automotive
Hose Tubes and Covers
Wire and Cable
Printing Roll Covers
Shoe Soles
Conveyor Belting
Industrial Flooring

For:

- Excellent resistance to oil & petroleum products
- Excellent compression set, superior tear and abrasion resistance
- Temperature usage between -30C to 100C

Repearl® OZO NBR/PVC is mechanically blended and fully fluxed in a 70/30 ratio for much improved ozone and abrasion resistance, high resistance to oils, fire resistance, and excellent processability while maintaining advantageous properties of Nitrile Rubber.

Based on customer application requirements, Repearl® OZO NBR/PVC can be designed to match demanding properties such as a higher level of oil and gasoline resistance while maintaining similar mechanical properties and processing characteristics.



Repearl® OZO NBR/PVC Blend

Code	NBR/PVC Ratio	NBR ACN Content	Mooney Viscosity ML (1+4) 100°C	Main Applications
Repearl® OZO 5033	50/50	33	65-75	High PVC content, grade for extrusion and injection molding with excellent ozone resistance.
Repearl® OZO 7028	70/30	28	65-79	Low ACN content, multipurpose grade for industrial hoses, cables, and belts.
Repearl® OZO 7028-K	70/30	28	65-79	Low ACN content, multipurpose grade for industrial hoses, cables, and belts. Enhanced curing properties.
Repearl® OZO 7028-60	70/30	28	55-65	Low ACN content, multipurpose grade for industrial hoses, cables, and belts. Enhanced processability.
Repearl® OZO 7028-60K	70/30	28	55-65	Low ACN content, multipurpose grade for industrial hoses, cables, and belts. Enhanced curing properties and processability.
Repearl® OZO 7033	70/30	33	65-79	Medium ACN content, for multipurpose articles requiring higher oil resistance and improved physical properties.
Repearl® OZO 7033-K	70/30	33	65-79	Medium ACN content, for multipurpose articles requiring higher oil resistance and improved physical properties. Enhanced curing properties.
Repearl® OZO 7033-60	70/30	33	55-65	Medium ACN content, for multipurpose articles requiring higher oil resistance and improved physical properties. Enhanced processability.
Repearl® OZO 7033-60K	70/30	33	55-65	Medium ACN content, for multipurpose articles requiring higher oil resistance and improved physical properties. Enhanced curing properties and processability.
Repearl® OZO 7039	70/30	39	75-85	High ACN content, for applications requiring very high oil and fuel resistance.

*Slabs assembled in bales

*Depending on customer specifications, we can manufacture different Repearl® OZO NBR/PVC Blends.

