Improving sustainability and environmental profiles - without compromising product quality and performance - are essential to the manufacturing process.

Findings from a Life Cycle Assessment (LCA) reveal sustainable advantages in the production of NORDEL™ EPDM, compared to Ziegler-Natta solution EPDM. This is a direct result of improvements in manufacturing process efficiency, which help reduce emissions output.

Producing 1,000 metric tons of NORDEL EPDM vs. Ziegler-Natta solution EPDM reduces greenhouse gas emissions by the equivalent of removing 155,283 gallons of gasoline consumed, 3,382,353 miles driven by an average passenger vehicle per year, and 1,509,847 pounds of coal burned.

EPDM RUBBER helps ensure applications, such as weather seals, roofing and automotive belts, can withstand extreme conditions and wear-and-tear.

Products made with NORDEL EPDM:

- Automotive Weatherstripping
- Automotive Hose
- Automotive Belt
- Molded Rubber Goods
- Roofing & Building Profiles
- Thermoelastic Modification
- Oil & Lubricants
- Tires

Sources:
1. Dow, NORDEL™ EPDM
2. U.S. Environmental Protection Agency (EPA), Greenhouse Gas Equivalencies Calculator. Calculations based on raw data from Dow’s LCA.
3. EPA, Greenhouse Gas Equivalencies Calculator. Calculations based on raw data from Dow’s LCA.

Notes:
Statistics highlighted above are based on findings from Dow’s LCA that reveal sustainable advantages in the production of NORDEL™ EPDM, compared to Ziegler-Natta solution EPDM.

Acidification = Arises from the oversupply of nutrients, which leads to overgrowth of plants and algae.

Eutrophication = Arises from the oversupply of nutrients, which leads to overgrowth of plants and algae.

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