✅ rollmaterial.csv has now been successfully analyzed. Here’s a quick summary of the most relevant insights:

**🚂 Dataset Overview**

* **Total rows:** 5,814
* **Columns:** 69
* **Main purpose:** Describes technical and comfort attributes of SBB-owned passenger coaches.
* **Key field for linkage:** "Vehicle type (structure)" and "Vehicle type" — these can later be joined via a type conversion file to jahresformation.csv.

**🔍 Highlights**

* Object is unique per row, suggesting it's a **vehicle ID or asset ID**.
* Many descriptive fields (seating, comfort, bike capacity, etc.) have high **null counts** — likely dependent on train type (not all features apply to all vehicles).
* The Operational Vmax in km/h field is present in **~83%** of records — very useful for simulation calibration.
* Fields like Sitzplätze pro Wagen Total, Tare (empty weight), and Length over buffers are **partially complete**, but still valuable for constructing vehicle profiles.
* You’ll likely use **aggregate statistics** (e.g., average by vehicle type) when building vehicle profiles for SUMO.

Would you like to proceed to the rollmaterial-matching.csv file next (likely the “type conversion” file mentioned in the description)?