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| 1 | Shri J Basak,Atharava Lab |  |  | te | Rubber and polymer are related but distinct concepts: \*Polymer\*: - A broad class of materials composed of long chains of repeating molecules (monomers) - Can be natural or synthetic - Includes a wide range of materials, such as plastics, fibers, adhesives, and elastomers (like rubber) - Characterized by their molecular structure, which consists of a repeating pattern of atoms \*Rubber\*: - A specific type of polymer that exhibits elastic properties, meaning it can stretch and return to its original shape - Can be natural (derived from the sap of the rubber tree, Hevea brasiliensis) or synthetic (produced from petroleum-based materials) - Typically has a high molecular weight and a flexible, amorphous structure - Exhibits unique properties like elasticity, resilience, and resistance to abrasionCan rubber can be termed as a polymer\* because it is a specific type of polymer that belongs to the broader class of materials known as polymers. In fact, rubber is a classic example of an elastomeric polymer.However, not all polymers are rubber. Polymers encompass a wide range of materials with varying properties, while rubber refers specifically to those polymers with elastic properties.PFA : | Having reference to the comment and when read the TITLE of the document it is evident that the standard is confined to application of rubber only. As such wherever the word polymer appears need to be deleted with. |  |