IS 17659:2021
Polyester Polyol

Polyester Polyols are crucial in manufacturing **polyurethanes**, including **foams**, **coatings**, **adhesives**, and **elastomers**, which have broad applications across industries. This standard primarily targets the use of polyester polyols in producing polyurethanes through reactions with isocyanates, resulting in materials suited for various industrial and commercial applications.

Consumers expect high-quality standards in polyester polyols, specifically in terms of clarity, **viscosity**, **hydroxyl content**, and **minimal impurities**. IS 17659:2021 sets parameters for these aspects to ensure the quality and performance of the product. For instance, it specifies **hydroxyl values**, **acid values**, **water content**, and **viscosity** for **three grades of polyester polyol**, each tailored to different end uses, such as rigid and flexible foams or specialty coatings and adhesives.

This standard addresses consumer expectations by outlining clear quality criteria and testing methods. It references **ISO** and **ASTM** methods for accurate testing, thus ensuring reliability and safety.

Key points include strict limits on hydroxyl and acid values and specific packing and marking requirements to ensure the polyester polyols meet industry standards. Compliance with these standards is verified through sampling and conformity assessments as per BIS protocols, offering consumers a consistent, quality-assured product