

IS 7328 : 2020

Specification for polyethylene material for moulding and extrusion

IS 7328:2020, issued by the Bureau of Indian Standards (BIS), outlines specifications for polyethylene materials used in moulding and extrusion processes. The standard was originally published in 1974 and the 2020 version is the second revision which consolidates earlier standards for low, linear low, and high-density polyethylene (LDPE, LLDPE, and HDPE). It specifies the requirements for density and melt flow rate (MFR) testing, introduces a classification and designation system, and includes guidelines for intended applications, additives, and physical characteristics. Additional sections detail quality requirements for polyethylene used in food, pharmaceutical, and water contact applications. The standard also covers procedures for sampling, packing, marking, and BIS certification. Amendments to the standard include updated guidelines on pigments, migration limits for food contact, and permissible variations in material properties during production.