

IS 1397:2020 Kraft Paper for Packing and Wrapping

In order to define the **quality of kraft paper** and to assure the **availability of proper quality** of such paper to the **consumers**. The kraft paper is meant for wrapping and general packing purposes and is not meant for use in corrugated board box manufacture. (IS 9588 : 1990 Kraft liner).

The Indian Standard, **IS 1397:2020**, specifies requirements of **kraft paper for wrapping and general packing purposes**. Kraft paper classified into three grades namely, Grade 1, Grade 2 and Grade 3.

Grade 1 kraft is normally called **virgin kraft**. It is made from 100 percent unbleached sulphate pulp, or from a mixture of bamboo pulp and wood pulp, or from any other equivalent pulp that will ensure compliance with the requirements given for this grade of kraft paper in Table 1 of the Indian standard.

Grade 2 kraft is normally called **semi virgin kraft**. It is designated as agricultural residue kraft (ARKraft). It may be made from bagasse, rice/wheat straw, grass, jute, a mixture of these along with sulphate pulp or any other equivalent materials that will ensure compliance with the requirements given for this grade of kraft paper in Table 1 of the Indian standard.

Grade 3 kraft is normally called **non-virgin kraft**. It may be made from 100 percent waste paper or a mixture of waste paper and agricultural waste or any other material that will ensure compliance with the requirements given for this grade of kraft paper in Table 1 of the Indian standard.

Kraft **paper size** when in the sheet form, it shall be either of A1 or any other size of A-series as given in Table 1 of IS 1064: 1980. Requirements of kraft paper is given in table 1 of the Indian Standard, namely, Moisture content (percent), Burst index, Tear index, tensile index, Folding endurance, Cobb value.

Optional requirements of grade 1 kraft paper is given in Table 2 of the Indian standard, namely pH, ash percent, elongation at break, percent by weight of Chlorides, Sulphates, Fatty/similar acids and Alkalinity.

Additional Requirements for **ECO Mark** is given in table 3 of Indian standard, where the **contaminant shall not exceed the prescribed limit** given, with respect to the elements namely, Cadmium, Chromium, Lead, Mercury, Pentachlorophenol and Polychlorinated biphenyls.

In summary, IS 1397 is assurance to availability of quality kraft paper for wrapping and general packing purposes to the consumer.