

TEARING STRENGTH

Factors affecting tear strength:

-  Threads break singly or in very small groups. So single thread strength is of great importance.
-  In loose fabric structure, grouping of threads occurs, resulting higher tear strength.
-  Also fabrics with smooth yarns show higher tear strength.
-  High-sett fabric reduces thread movement, so tear strength drops considerably.
-  Closely related to point (2) is the effect of weave. Thus, a twill or 2/2 matt structure allows the threads to group better than a plain weave. Twills and matt weave exhibit better resistance to tearing than plain weave
-  Special fabric finishes such as drip-dry and crease-resist treatments may reduce the tearing strength.