

MEASUREMENT OF OIL

SAMPLE SELECTION

MEASUREMENT OF OIL - SAMPLE SELECTION

Oils on textured yarns have a tendency to migrate from outside to inside of textured packages. Therefore, it is recommended that sample specimens for percent oil be taken from the middle of the package -- avoiding the outer and inner 10 percent of yarn on the package.

As an example, if the average weight of the packages in a specific yarn lot is 10 pounds, the yarn for the extraction should be taken from approximately 5-pound area.

CONING OIL COLD EXTRACTION

1. Wind enough yarn to get a sample weight approximately 5.0 grams.
2. Condition skein for at least four hours.
3. Weigh skein.
4. Add 300 milliliters of solvent into an extraction flask, such as petroleum, ether, freon, trichloroethane.
5. Place skein in flask.
6. Agitate skein in flask for five minutes.
7. Drain solvent from flask.
8. Remove skein from flask.
9. Squeeze out any excess solvent.
10. Dry in oven at 110 degrees C for 15 minutes.
11. Allow to condition yarn for at least four hours.
12. Reweigh.
13. $\% \text{ Oil} = \frac{\text{Original Weight} - \text{Final Weight}}{\text{Original Weight}} \times 100 =$