Burning tests for fibers

Fiber	Results near flame	Type of burning in flame	Results when removed from flame	Odor	Residue
Wool	Curls	Burns slowly	Extinguishes	Hair	Hard bead
Cotton	Chars and ignites	Burns quickly	Glows or continues burning	Paper	Gray ash
Silk	Curls	Burns slowly	Extinguishes	Hair	Black and brittle
Rayon	Ignites on contact	Burns quickly	Glows or continues burning	Paper	Light fluffy ash
Polyester	Melts	Burns slowly, melts and drips	Extinguishes	Chemical	Hard bead