

Burn Test Results

FIBER	BEHAVIOR NEARING FLAME	BEHAVIOR IN FLAME	BEHAVIOR REMOVED FROM FLAME	ODOR	ASH OR RESIDUE
cotton	scorches, lights easily	yellow, smoky	continues to burn, glows	burning paper	light gray, feathery ash
linen	scorches, lights easily	yellow, smoky	continues with afterglow	burning paper	gray, feathery ash
silk	smolders, then burns	melts and sputters	goes out easily	burning hair	black, shiny beads
wool	smolders, slow to catch	sizzles as it burns, curls	goes out easily	burning hair	crisp, dark ash
acetate	fuses away from flame, blackens	lights easily, flickers, melts	continues to burn, small sparks, drips	vinegar, burning wood	black, hard, irregularly shaped beads
acrylic	fuses, shrinks away	flares, puckers, melts	continues to burn and melt, sputters	acid, fruity	brittle, hard, black beads
nylon	fuses, shrinks away	burns slowly, drips, white smoke	dies out	celery	hard, round, grayish beads
polyester	fuses, shrinks away	burns slowly, melts	burns slowly, sooty smoke	tar	hard, round, black beads
rayon	scorches, lights easily	burns fast, yellow flame	continues to burn, no glow	burning paper	light gray, feathery ash
olefin	melts, shrinks away	burns, yellow flame	slowly dies out	wax (pe), diesel fuel (pp)	fused plastic
fiberglass	coating burns off	no reaction	no reaction	no odor	may fuse solid
unknown					