Object Properties

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| # | Name | Code-name | Descriptions | Thickness | Roughness | Picture | Object | BioTac |
| 1 | Bath\_towel | BT | 100% polyester microfiber. Microfiber is synthetic fiber finer than one denier or decitex/thread, having a diameter of less than ten micrometres. Polyester is very durable: resistant to most chemicals, stretching and shrinking, wrinkle resistant, mildew and abrasion resistant. | thin | middle rough |  |  | Mat3 |
| 2 | cardboard | CB | Cardboard is produced by pressing together moist fibers, typically cellulose pulp derived from wood, rags, or grasses, and drying them into flexible sheets. | thin | middle rough |  |  | xxx |
| 3 | carpet\_net | CN |  | Thin | rough |  |  | Mat1 |
| 4 | cork | CK | 100% cork (wood family). Cork is an impermeable buoyant material, the phellem layer of bark tissue that is harvested for commercial use primarily from Quercus suber | thin | middle rough |  |  | Mat12 |
| 5 | cotton | CT | 100 % cotton. natural fiber that comes from the seedpod of the cotton plant. | thin |  |  |  | Mat2 |
| 6 | Foam  (cuisionFoam) | FM | Polyethylene foam is a durable, lightweight, resilient, closed-cell material. | Thick | rough |  |  | Mat19 |
| 7 | denim | DN | sturdy cotton warp-faced textile | Thin | Middle rough |  |  | xxx |
| 8 | eva | EV | Ethylene-vinyl acetate. It has some of the properties of a low-density polyethylene but increased gloss (useful for film), softness and flexibility. | thin | smooth |  |  | Mat13 |
| 9 | leather fake | LF | 100% Polyurethane. Bicast leather is a material made with a split leather backing covered with a layer of polyurethane (hence the term "PU leather") that is applied to the surface and then embossed | thin | smooth |  |  | Mat4 |
| 10 | felt | FL | 100% Polyester. Polyester is very durable: resistant to most chemicals, stretching and shrinking, wrinkle resistant, mildew and abrasion resistant. | Thin | Smooth |  |  | Mat6 |
| 11 | fiber board | FB | Miscellaneous wood (fine tree) | Thick | smooth |  |  | Mat15 |
| 12 | metal | MT | Steel, an alloy of iron and carbon and other elements | Thick | smooth |  |  | Mat21 |
| 13 | paper 1 | P1 | polyvinyl chloride (PVC), acrylic adhesive. PVC is a thermoplastic made of 57% chlorine and 43% carbon. | Thin | smooth |  |  | Mat14 |
| 14 | Paper 2 | P2 | japanese paper, pulp, rayon | Thin | smooth |  |  | Mat8 |
| 15 | polypropileno | PP | polypropileno, PP, mixed colors (white, blue, dark blue) | Thin | smooth |  |  | Mat5 |
| 16 | polypropileno smooth | PS | smooth polypropileno, transient, mat for food | Thin | smooth |  |  | Mat9 |
| 17 | soft material 1 | S1 | soft material with turquoise (greenish blue) color (textile with pattern) | Thin | Rough but soft |  |  | Mat11 |
| 18 | soft material 2 | S2 | soft material (grey color) but harder than softMaterial1 | Thin | rough |  |  | Mat7 |
| 19 | sponge soft | SS | soft, porous material | thick | rough |  |  | Mat18 |
| 20 | styrofoam | SF | Styrofoam is a polystyrene foam | Thick | rough |  |  | Mat17 |
| 21 | polypropylene thin | PT | Polypropylene (PP), also known as polypropene, is a thermoplastic polymer | thin | smooth |  |  | Mat10 |
| 22 | wood hard | WH | Paulownia | thick | rough |  |  | Mat16 |
| 23 | yoga mat | YM | Most standard yoga mats are made of PVC, otherwise known as vinyl. | Thin | smooth |  |  | xxx |
| 24 |  |  |  |  |  |  |  |  |
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