$$f \otimes D \sim \int d^2\boldsymbol{k}_\perp \, d^2\boldsymbol{p}_\perp \, \delta^{(2)}(\boldsymbol{P}_T - z_h \boldsymbol{k}_\perp - \boldsymbol{p}_\perp) \, w(\boldsymbol{k}_\perp, \boldsymbol{P}_T) \, f(x_B, k_\perp) \, D\,(z_h, p_\perp)$$