Part	Machine	Material	Shot weight	What the part demanded
Front bumper	SM3600-TP	PP	3.2 kg	Complex geometry, weathering resistance, high impact strength, stable weight and dimensions
B-pillar lower trims	SM2200-TP	PP + 20% talc	822 g	Dimensional accuracy with minimal distortion across a left and right pair
Laminated interior panel	SM1050-TP	PP	885 g	Even stress and accurate shot volume, so melt flow does not deform the skin; low-pressure injection
Door component	SM850-TP	PC + ABS	462 g	Complex shape, no surface scratching, stable weight, no short shots or deformation
Lamp lens	JM258-MK6 PRO	PMMA	50 g	High light transmittance and heat resistance together with a lighter part