

PX330

Similar to thermoplastics like filled ABS when requiring fire retardant properties.

Meets FAR 25.853

Physical Properties	
Colour	Off White
Pigmentable	

Mechanical Properties ⁽¹⁾			
			TEST/ISO
Hardness	Shore D1	87	868
Flexural Strength (MPa)		126	178
Flexural Modulus (MPa)		3,400	
Tensile Strength (MPa)		70	527
Tensile Modulus (MPa)		4,000	
Charpy impact strength (Kj/m ²)		30	179
Elongation Break (%)		3.0	37

Thermal & Specific Properties			
Glass Transition Temperature (°C)		100	11359
Linear shrinkage on 3 mm thickness - after 1 hour at 158°F (70°C) - after 12 hours at 158°F (70°C) - after 12 hours at 158°F (70°C) + 12 hours at 176°F (80°C)		0.3% 0.31% 0.335%	-
Maximal casting thickness (mm)		5	R527
Minimal casting thickness (mm)		2	-
Demolding time at 70°C min		45	-
Self-extinguishing	FAR 25	2.2mm	Pass ⁽²⁾
	UL 94	3mm	Meets V0 ⁽³⁾ Not certified by UL

(1) Average values obtained on standard specimens with a postcure of 12 hr. at 70°C + 12 hr. at 80°C

(2) Meets the requirements of the FAR 25.853 for flammability 12 seconds on 2.2mm

(3) Internal test – Axson France's test report: TR04189-REV 00.