

Techno ABS F5330G30 (NC100G30)

ABS-GX30

Techno-UMG Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	42	g/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	108	MPa	ISO 527
Flexural modulus, 23°C	7870	MPa	ISO 178
Flexural strength	165	MPa	ISO 178
Charpy impact strength, +23°C	7	kJ/m ²	ISO 179/1eU
Rockwell hardness	R 109	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Burning behav. 5V at thickness h	5VA	class	IEC 60695-11-20
Thickness tested	2.5	mm	-

Other properties	Value	Unit	Test Standard
Density	1420	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	2 - 5	h	-
Mold temperature	50 - 100	°C	-
Zone 1	180 - 210	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Asia Pacific

Special Characteristics

Flame retardant