

Techno ABS F5170

ABS

Techno-UMG Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	33	g/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	47	MPa	ISO 527
Flexural modulus, 23°C	2330	MPa	ISO 178
Flexural strength	70	MPa	ISO 178
Charpy impact strength, +23°C	12	kJ/m ²	ISO 179/1eU
Rockwell hardness	R 105	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.9	mm	-
Burning behav. 5V at thickness h	5VB	class	IEC 60695-11-20
Thickness tested	1.5	mm	-

Other properties	Value	Unit	Test Standard
Density	1220	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	75 - 85	°C	-
Pre-drying - Time	2 - 5	h	-
Mold temperature	40 - 80	°C	-
Zone 1	180 - 210	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Asia Pacific

Special Characteristics

Flame retardant