

Techno ABS H591

ABS

Techno-UMG Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	4.5	g/10min	ISO 1133
Temperature	240	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	50	MPa	ISO 527
Flexural modulus, 23°C	2170	MPa	ISO 178
Flexural strength	74	MPa	ISO 178
Charpy notched impact strength, +23°C	12	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 106	-	ISO 2039-2

Other properties	Value	Unit	Test Standard
Density	1060	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100 - 110	°C	-
Pre-drying - Time	2 - 5	h	-
Mold temperature	40 - 80	°C	-
Zone 1	220 - 270	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Asia Pacific

Special Characteristics

Heat stabilized or stable to heat