

**Techno ABS 170 (10)**

ABS

Techno-UMG Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	9	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
<b>ISO Data</b>			
Tensile Strength	35	MPa	ISO 527
Flexural modulus, 23°C	1750	MPa	ISO 178
Flexural strength	54	MPa	ISO 178
Charpy impact strength, +23°C	36	kJ/m <sup>2</sup>	ISO 179/1eU
Rockwell hardness	R 89	-	ISO 2039-2

ASTM Data	Value	Unit	Test Standard
Tensile Strength	35.3	MPa	ASTM D 638
Flexural Modulus	1860	MPa	ASTM D 790
Flexural Strength	58.8	MPa	ASTM D 790
Rockwell Hardness	R 91	-	ASTM D 785

Other properties	Value	Unit	Test Standard
Density	1030	kg/m <sup>3</sup>	ISO 1183
Density	1030	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	2 - 5	h	-
Mold temperature	40 - 80	°C	-
Zone 1	190 - 260	°C	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

High impact or impact modified

**Applications**

General Purpose

**Regional Availability**

North America, Asia Pacific