

Techno ABS 500P

ABS

Techno-UMG Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	9	g/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	49	MPa	ISO 527
Flexural modulus, 23°C	2530	MPa	ISO 178
Flexural strength	79	MPa	ISO 178
Charpy impact strength, +23°C	19	kJ/m ²	ISO 179/1eU
Rockwell hardness	R 111	-	ISO 2039-2

ASTM Data	Value	Unit	Test Standard
Tensile Strength	53	MPa	ASTM D 638
Flexural Modulus	2750	MPa	ASTM D 790
Flexural Strength	87.3	MPa	ASTM D 790
Rockwell Hardness	R 112	-	ASTM D 785

Other properties	Value	Unit	Test Standard
Density	1050	kg/m ³	ISO 1183
Density	1050	kg/m ³	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

Regional Availability

North America, Asia Pacific

Special Characteristics

Heat stabilized or stable to heat