

**Excelloy SX620 (SX E105)**

ABS

Techno-UMG Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	10	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
<b>ISO Data</b>			
Tensile Strength	41	MPa	ISO 527
Flexural modulus, 23°C	2070	MPa	ISO 178
Flexural strength	65	MPa	ISO 178
Charpy impact strength, +23°C	15	kJ/m <sup>2</sup>	ISO 179/1eU
Rockwell hardness	R 102	-	ISO 2039-2

<b>ASTM Data</b>			
Tensile Strength	45.1	MPa	ASTM D 638
Flexural Modulus	2550	MPa	ASTM D 790
Flexural Strength	75.5	MPa	ASTM D 790
Rockwell Hardness	R 105	-	ASTM D 785

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94

Other properties	Value	Unit	Test Standard
Density	1060	kg/m <sup>3</sup>	ISO 1183
Density	1060	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	85 - 95	°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

**Features**

Tribologic Grade