

Techno ABS F5450 (W) (NC118(W))

ABS

Techno-UMG Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	69	g/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Strength	43	MPa	ISO 527
Flexural modulus, 23°C	2170	MPa	ISO 178
Flexural strength	66	MPa	ISO 178
Charpy impact strength, +23°C	9	kJ/m ²	ISO 179/1eU
Rockwell hardness	R 104	-	ISO 2039-2
ASTM Data			
Tensile Strength	47.1	MPa	ASTM D 638
Flexural Modulus	2840	MPa	ASTM D 790
Flexural Strength	78.5	MPa	ASTM D 790
Rockwell Hardness	R 108	-	ASTM D 785
Thermal properties			
ISO Data			
Burning behav. at 1.5 mm nom. thickn.	V-1	class	IEC 60695-11-10
Thickness tested	1.4	mm	-
Burning behav. 5V at thickness h	5VA	class	IEC 60695-11-20
Thickness tested	2.5	mm	-
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	2.1	mm	-
Other properties			
Density	1190	kg/m ³	ISO 1183
Density	1190	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	75 - 85	°C	-
Pre-drying - Time	2 - 5	h	-
Mold temperature	40 - 80	°C	-
Zone 1	180 - 230	°C	-

Characteristics**Processing**

Injection Molding

Features

Thermal Stability

Special Characteristics

Flame retardant, Light stabilized or stable to light

Regional Availability

North America, Asia Pacific