

Excelloy EKF55

ABS

Techno-UMG Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	60	g/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Strength	44	MPa	ISO 527
Flexural modulus, 23°C	2130	MPa	ISO 178
Flexural strength	62	MPa	ISO 178
Charpy impact strength, +23°C	7	kJ/m ²	ISO 179/1eU
Rockwell hardness	R 100	-	ISO 2039-2
Thermal properties			
ISO Data			
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Burning behav. 5V at thickness h	5VB	class	IEC 60695-11-20
Thickness tested	2.0	mm	-
Electrical properties			
ISO Data			
Surface resistivity	3E10	Ohm	IEC 62631-3-2
ASTM Data			
Surface Resistivity	3E10	Ohm	ASTM D 257
Other properties			
Density	1220	kg/m ³	ISO 1183
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

Regional Availability

North America, Asia Pacific

Special Characteristics

Increased electrical conductivity, Anti-static, Flame retardant