Excelloy EK13C8

ABS-CF

Techno-UMG Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**13**	g/10min	ISO 1133
Temperature	**220**	°C	-
Load	**10**	kg	-
Molding shrinkage, parallel	**0.3**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	**65**	MPa	ISO 527
Flexural modulus, 23°C	**4500**	MPa	ISO 178
Flexural strength	**85**	MPa	ISO 178
Charpy impact strength, +23°C	**7**	kJ/m²	ISO 179/1eU
Rockwell hardness	**R 103**	-	ISO 2039-2
ASTM Data			
Tensile Strength	**74**	MPa	ASTM D 638
Flexural Modulus	**4520**	MPa	ASTM D 790
Flexural Strength	**92**	MPa	ASTM D 790
Rockwell Hardness	**R 102**	-	ASTM D 785

Electrical properties	Value	Unit	Test Standard
ISO Data			
Surface resistivity	**10000**	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	**1100**	kg/m³	ISO 1183
Density	**1100**	kg/m³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80 - 90**	°C	-
Pre-drying - Time	**3 - 6**	h	-
Mold temperature	**40 - 80**	°C	-
Zone 1	**190 - 260**	°C	-

Characteristics

Processing

Injection Molding

Regional Availability

North America, Asia Pacific

Special Characteristics

Increased electrical conductivity, Anti-static