

**KEBALLOY EP FE 170404**

(ABS+PC)

Barlog plastics GmbH

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	17	g/10min	ISO 1133
Temperature	240	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	2300	MPa	ISO 527
Yield stress	50	MPa	ISO 527
Yield strain	6	%	ISO 527
Strain at break	40	%	ISO 527
Charpy impact strength, +23°C	230	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	40	kJ/m <sup>2</sup>	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	105	°C	ISO 75-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.8	mm	-

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Volume resistivity	1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	1E15	Ohm	IEC 62631-3-2
Electric strength	35	kV/mm	IEC 60243-1

Other properties	Value	Unit	Test Standard
Water absorption	0.7	%	Sim. to ISO 62
Humidity absorption	0.2	%	Sim. to ISO 62
Density	1100	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	230 - 260	°C	-
Mold temperature	60 - 80	°C	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Platable, High impact or impact modified

**Features**

Amorphous, Good Adhesion

**Applications**

Automotive, Encapsulation

**Regional Availability**

Europe