

Elix ABS E-LOOP H801 MR

(ABS+PC)

Elix Polymers, S.L.

Product Texts

Reduced carbon footprint.

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	11	cm ³ /10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6	%	ISO 294-4, 2577

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2400	MPa	ISO 527
Yield stress	47	MPa	ISO 527
Yield strain	3.2	%	ISO 527
Strain at break	15	%	ISO 527
Flexural modulus, 23°C	2350	MPa	ISO 178
Flexural strength	78	MPa	ISO 178
Charpy impact strength, +23°C	230	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	160	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	30	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	18	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	30	kJ/m ²	ISO 180/1A
Izod notched impact strength	13	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-
Ball indentation hardness	110	MPa	ISO 2039-1

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	100	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	107	°C	ISO 75-1/-2
Vicat softening temperature, B	105	°C	ISO 306
Coeff. of linear therm. expansion, parallel	85	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
Burning rate, FMVSS, Thickness 1 mm	40 ^[1]	mm/min	ISO 3795 (FMVSS 302)

1: 2 mm

Other properties

	Value	Unit	Test Standard
Density	1070	kg/m ³	ISO 1183

Test specimen production

	Value	Unit	Test Standard
ISO Data			
Injection Molding, melt temperature	240	°C	ISO 294
Injection Molding, mold temperature	70	°C	ISO 294
Injection Molding, injection velocity	240	mm/s	ISO 294

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Black

Certifications

Recycled Resin Content, RoHS compliant

Applications

Automotive

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Special Characteristics

High impact or impact modified, Heat stabilized or stable to heat

Features

Low Emission

Regional Availability

Europe, Asia Pacific, South and Central America, Near East/Africa