

Elix ABS E-LOOP 4105 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	18	cm ³ /10min	ISO 1133
Temperature	260	°C	-
Load	5	kg	-

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2000	MPa	ISO 527
Yield stress	42	MPa	ISO 527
Yield strain	3	%	ISO 527
Strain at break	28	%	ISO 527
Flexural modulus, 23°C	2100	MPa	ISO 178
Flexural strength	68	MPa	ISO 178
Charpy notched impact strength, +23°C	31	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	22	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	33	kJ/m ²	ISO 180/1A

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	108	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	104	°C	ISO 75-1/-2
Vicat softening temperature, B	102	°C	ISO 306
Coeff. of linear therm. expansion, parallel	90	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	90	E-6/K	ISO 11359-1/-2
Burning rate, FMVSS, Thickness 1 mm	80 ⁽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

Special Characteristics

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

Features

Low Emission

Certifications

Recycled Resin Content, RoHS compliant

Regional Availability

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