

Elix ABS HH3105

ABS

Elix Polymers, S.L.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	16	cm ³ /10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.7	%	ISO 294-4, 2577
Molding shrinkage, normal	0.7	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2150	MPa	ISO 527
Yield stress	42	MPa	ISO 527
Strain at break	32	%	ISO 527
Flexural modulus, 23°C	2260	MPa	ISO 178
Charpy notched impact strength, +23°C	19	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	18	kJ/m ²	ISO 180/1A
Izod notched impact strength	11	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-
Ball indentation hardness	95	MPa	ISO 2039-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	99	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	104	°C	ISO 75-1/-2
Vicat softening temperature, B	103	°C	ISO 306
Coeff. of linear therm. expansion, parallel	99	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	-

Other properties	Value	Unit	Test Standard
Density	1030	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

Features

Copolymer

Delivery form

Pellets

Certifications

RoHS compliant

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

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