

Elix Ultra HH 4115 HI

ABS

Elix Polymers, S.L.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	14	cm ³ /10min	ISO 1133
Temperature	260	°C	-
Load	5	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	2000	MPa	ISO 527
Yield stress	42	MPa	ISO 527
Yield strain	7	%	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	2000	MPa	ISO 178
Charpy notched impact strength, +23°C	53	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	40	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	58	kJ/m ²	ISO 180/1A
Izod notched impact strength	41	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-
Ball indentation hardness	90	MPa	ISO 2039-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	101	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	113	°C	ISO 75-1/-2
Vicat softening temperature, B	113	°C	ISO 306
Coeff. of linear therm. expansion, parallel	89	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	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, White

Special Characteristics

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

Features

Ductile, Low Odor, Copolymer

Certifications

RoHS compliant

Regional Availability

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