

Elix ABS 118HF

ABS

Elix Polymers, S.L.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	57	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			
ISO Data			
Tensile Modulus	2260	MPa	ISO 527
Yield stress	42	MPa	ISO 527
Strain at break	34	%	ISO 527
Flexural modulus, 23°C	2350	MPa	ISO 178
Izod notched impact strength, +23°C	14	kJ/m ²	ISO 180/1A
Izod notched impact strength	7	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-
Ball indentation hardness	92	MPa	ISO 2039-1
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	98	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	101	°C	ISO 75-1/-2
Vicat softening temperature, B	103	°C	ISO 306
Coeff. of linear therm. expansion, parallel	90	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			
Density	1030	kg/m ³	ISO 1183
Test specimen production			
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

Special Characteristics

Anti-static

Features

Copolymer

Certifications

RoHS compliant

Regional Availability

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