

Product Texts

ABS resin (Continuous bulk polymerization process).

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	20	cm ³ /10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
Other Standards^[5]			
Molding shrinkage, parallel	0.5	%	Producer Method

S: These properties are reported by the producer according standards that are different to our defaults.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	52	MPa	ISO 527
Flexural modulus, 23°C	2500	MPa	ISO 178
Flexural strength	81	MPa	ISO 178
Charpy notched impact strength, +23°C	15	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 118	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	85	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	70	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10

Other properties	Value	Unit	Test Standard
Density	1050	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	3 - 6	h	-
Melt temperature	200 - 260	°C	-
Mold temperature	40 - 80	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

Asia Pacific

Special Characteristics

Heat stabilized or stable to heat