

Product Texts

ABS resin (Continuous bulk polymerization process).

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	9	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	43	MPa	ISO 527
Flexural modulus, 23°C	2100	MPa	ISO 178
Flexural strength	66	MPa	ISO 178
Charpy notched impact strength, +23°C	18	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 110	-	ISO 2039-2

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	81	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	80	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 Extrusion

	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	3 - 6	h	-

Characteristics**Processing**

Other Extrusion

Regional Availability

Asia Pacific