KRALASTIC™ ST-101

ABS — Nippon A&L Inc.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	**16**	cm³/10min	ISO 1133
Temperature	**220**	°C	-
Load	**10**	kg	-
Other Standards[S]			
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	**1900**	MPa	ISO 178
Flexural strength	**65**	MPa	ISO 178
Charpy notched impact strength, +23°C	**13**	kJ/m²	ISO 179/1eA
Rockwell hardness	**R 109**	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**76**	°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

Optical properties	Value	Unit	Test Standard
ISO Data			
Haze	**2[1]**	-	ISO 14782
Luminous transmittance	**92[1]**	%	ISO 13468-1, -2

1: 2mm

Other properties	Value	Unit	Test Standard
Density	**1100**	kg/m³	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 - 240**	°C	-
Mold temperature	**40 - 70**	°C	-

Characteristics

Processing
Injection Molding

Special Characteristics
Transparent

Regional Availability
Asia Pacific