KRALASTIC™ AN-491R-2

ABS — Nippon A&L Inc.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	**4**	cm³/10min	ISO 1133
Temperature	**200**	°C	-
Load	**5**	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	**46**	MPa	ISO 527
Flexural modulus, 23°C	**2350**	MPa	ISO 178
Flexural strength	**70**	MPa	ISO 178
Charpy notched impact strength, +23°C	**10**	kJ/m²	ISO 179/1eA
Rockwell hardness	**R 107**	-	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 1.5 mm nom. thickn.	**V-0**	class	IEC 60695-11-10
Thickness tested	**1.5**	mm	-
Burning behav. 5V at thickness h	**5VB**	class	IEC 60695-11-20
Thickness tested	**2.0**	mm	-

Other properties	Value	Unit	Test Standard
Density	**1190**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**75 - 85**	°C	-
Pre-drying - Time	**3 - 6**	h	-
Melt temperature	**180 - 210**	°C	-
Mold temperature	**40 - 60**	°C	-

Characteristics

Processing

Injection Molding

Regional Availability

Asia Pacific

Special Characteristics

Flame retardant, U.V. stabilized or stable to weather