

Product Texts

KURARITY is non-crystalline block copolymer and does not have melting point.

All the KURARITY grades show similar low temperature properties which result from Tg of poly (n-butyl acrylate) or poly (n-butyl acrylate/2-ethylhexyl acrylate) and heat resistance from Tg of PMMA.

LA series : n-butyl acrylate based block copolymers.

Suitable Applications: For PSA, Molding, Compound, Additives.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	53	g/10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Charpy notched impact strength, +23°C	N	kJ/m ²	ISO 179/1eA
Tensile Strength	8.8	MPa	ISO 37
Shore A hardness	55	-	ISO 7619-1
Shore D hardness	13	-	ISO 7619-1
Other Standards^[5]			
Stress at 100% elongation	3.6	MPa	ISO 37

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

Thermal properties	Value	Unit	Test Standard
Other Standards^[5]			
Thermal Conductivity, solid state	0.17	W/(m K)	ASTM E 1530

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

Optical properties	Value	Unit	Test Standard
ISO Data			
Haze	4	-	ISO 14782
Other Standards^[5]			
Light Transmittance	92	%	ISO 13468-1

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

Other properties	Value	Unit	Test Standard
Density	1090	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	60	°C	-
Pre-drying - Time	4	h	-
Melt temperature	160 - 200	°C	-
Mold temperature	20 - 40	°C	-
Screw speed	<100	rpm	-
Back pressure	0 - 5	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Special Characteristics

U.V. stabilized or stable to weather, Transparent

Chemical Resistance

Acid Resistance, Alkali Resistance, Oil Resistance

Applications

Automotive, Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific

Features

Blending Resin, Good Adhesion, Low Odor, Copolymer