Kurarity™ LA4285

TPE — Kuraray Co., Ltd.

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 Molding, Compound, Additives.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**1.5**	g/10min	ISO 1133
Temperature	**190**	°C	-
Load	**2.16**	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	**17**	MPa	ISO 527
Flexural modulus, 23°C	**750**	MPa	ISO 178
Charpy notched impact strength, +23°C	**30**	kJ/m²	ISO 179/1eA
Tensile Strength	**25**	MPa	ISO 37
Shore A hardness	**90**	-	ISO 7619-1
Shore D hardness	**47**	-	ISO 7619-1
Other Standards[S]			
Stress at 100% elongation	**19**	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[S]			
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.

Electrical properties	Value	Unit	Test Standard
Other Standards[S]			
Dissipation Factor, 60 Hz	**0.0394**	-	JIS C 2138
Dissipation Factor, 1 MHz	**0.0448**	-	JIS C 2138
Dielectric Constant, 60 Hz	**4.56**	-	JIS C 2138
Dielectric Constant, 1 MHz	**3.68**	-	JIS C 2138

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	**2**	-	ISO 14782
Other Standards[S]			
Light Transmittance	**93**	%	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	**1120**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**70 - 80**	°C	-
Pre-drying - Time	**4**	h	-
Melt temperature	**200 - 230**	°C	-
Mold temperature	**20 - 40**	°C	-
Screw speed	**<100**	rpm	-
Back pressure	**0 - 5**	MPa	-

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Characteristics

Processing
Injection Molding

Delivery form
Pellets

Special Characteristics
U.V. stabilized or stable to weather, Transparent

Features
Blending Resin, Low Odor, Copolymer

Chemical Resistance
Acid Resistance, Alkali Resistance, Oil Resistance

Applications
Automotive, Electrical and Electronical

Regional Availability
North America, Europe, Asia Pacific