TARFLON® LC1500

PC — Idemitsu Chemicals

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	**65**	cm³/10min	ISO 1133
Temperature	**300**	°C	-
Load	**1.2**	kg	-
Other Standards[S]			
Molding shrinkage, parallel	**0.6**	%	Producer Method
Molding shrinkage, normal	**0.6**	%	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	**65**	MPa	ISO 527
Nominal strain at break	**80**	%	ISO 527
Flexural modulus, 23°C	**2300**	MPa	ISO 178
Flexural strength	**90**	MPa	ISO 178
Charpy notched impact strength, +23°C	**15**	kJ/m²	ISO 179/1eA
Rockwell hardness	**R 120**	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**127**	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	**65**	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	**V-2**	class	IEC 60695-11-10
Thickness tested	**0.4**	mm	-

Optical properties	Value	Unit	Test Standard
ISO Data			
Luminous transmittance	**90**[1]	%	ISO 13468-1, -2
ASTM Data			
Index of Refraction	**1.58**	-	ASTM D 542

1: 3 mm

Other properties	Value	Unit	Test Standard
Density	**1200**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**120**	°C	-
Pre-drying - Time	**4 - 8**	h	-
Melt temperature	**240 - 260**	°C	-
Mold temperature	**80 - 120**	°C	-

Characteristics

Processing
Injection Molding

Applications
Automotive, Electrical and Electronical

Delivery form
Pellets

Regional Availability
North America, Europe, Asia Pacific

Features
Light Guiding