TARFLON® URC2501 NC

PC-MD20 — Idemitsu Chemicals

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	**35**	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	**50**	MPa	ISO 527
Nominal strain at break	**70**	%	ISO 527
Flexural modulus, 23°C	**2200**	MPa	ISO 178
Flexural strength	**80**	MPa	ISO 178
Charpy notched impact strength, +23°C	**30**	kJ/m²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**125**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**136**	°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-0**	class	IEC 60695-11-10
Thickness tested	**1.0**	mm	-

Other properties	Value	Unit	Test Standard
Density	**1400**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**120**	°C	-
Pre-drying - Time	**5 - 8**	h	-
Melt temperature	**260 - 300**	°C	-
Mold temperature	**80 - 90**	°C	-

Characteristics

Processing
Injection Molding

Delivery form
Natural Color

Special Characteristics
Flame retardant

Features
Light Blocking, Light Reflecting

Applications
Electrical and Electronical

Regional Availability
North America, Europe, Asia Pacific