

TARFLON® AC1030

PC

Idemitsu Chemicals

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	27	g/10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2000	MPa	ISO 527
Yield stress	60	MPa	ISO 527
Nominal strain at break	>50	%	ISO 527
Stress at break	60	MPa	ISO 527
Flexural modulus, 23°C	2200	MPa	ISO 178
Charpy notched impact strength, +23°C	40	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 120	-	ISO 2039-2
ASTM Data			
Taber Abrasion Resistance	12	mg/1000 cycles	ASTM D 1044

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	125	°C	ISO 75-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	1.2	mm	-
Yellow Card available	yes	-	-
Burning behav. 5V at thickness h	5VA	class	IEC 60695-11-20
Thickness tested	2.5	mm	-
Yellow Card available	yes	-	-
ASTM Data			
Coefficient of Thermal Expansion, MD	65	E-6/K	ASTM D 696

Electrical properties	Value	Unit	Test Standard
ISO Data			
Relative permittivity, 1MHz	2.85	-	IEC 62631-2-1
Dissipation factor, 1MHz	92	E-4	IEC 62631-2-1
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
Electric strength	30	kV/mm	IEC 60243-1
ASTM Data			
Arc Resistance	110	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Density	1200	kg/m ³	ISO 1183

Characteristics**Delivery form**

Pellets

Additives

Release agent

Special Characteristics

Flame retardant

Regional Availability

North America, Europe, Asia Pacific