TARFLON® IV2201

PC — Idemitsu Chemicals

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	**10**	cm³/10min	ISO 1133
Melt flow index, MFI	**11**	g/10min	ISO 1133
ASTM Data			
Mold Shrinkage, MD	**0.006**	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	**65**	MPa	ISO 527
Strain at break	**95**	%	ISO 527
Flexural modulus, 23°C	**2300**	MPa	ISO 178
Flexural strength	**90**	MPa	ISO 178
Charpy notched impact strength, +23°C	**80**	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	**125**	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	**65**	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	**V-2**	class	IEC 60695-11-10
Thickness tested	**1.5**	mm	-
Yellow Card available	**yes**	-	-
Burning behav. at thickness h	**V-2**	class	IEC 60695-11-10
Thickness tested	**0.4**	mm	-
Yellow Card available	**yes**	-	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Electric strength	**30**	kV/mm	IEC 60243-1
ASTM Data			
Volume Resistivity	**1E16**	Ohm*cm	ASTM D 257
Other Standards[S]			
Relative permittivity, 1MHz	**2.85**	-	IEC 60250
Dissipation factor, 1MHz	**92**	E-4	IEC 60250
Comparative tracking index	**325**	-	UL 746A

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

Optical properties	Value	Unit	Test Standard
ISO Data			
Luminous transmittance	**87**	%	ISO 13468-1, -2

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	**5 - 8**	h	-
Melt temperature	**260 - 300**	°C	-
Mold temperature	**80 - 120**	°C	-

Characteristics

Processing

Injection Molding, Other Extrusion

Special Characteristics

U.V. stabilized or stable to weather, Transparent

Additives
Release agent

Regional Availability
North America, Europe, Asia Pacific