

INNOPOL® CS 1-3000 B DEL

PP

Inno-Comp Kft.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	10	cm ³ /10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
Melt flow index, MFI	8	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	1.1	%	ISO 294-4, 2577
Molding shrinkage, normal	0.9	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1600	MPa	ISO 527
Yield stress	36	MPa	ISO 527
Yield strain	8	%	ISO 527
Nominal strain at break	15	%	ISO 527
Flexural modulus, 23°C	1800	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	17	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	4	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	1.3	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	162	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	52	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	101	°C	ISO 75-1/-2
Vicat softening temperature, A	152	°C	ISO 306
Vicat softening temperature, B	93	°C	ISO 306
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.2	mm	-

Other properties	Value	Unit	Test Standard
Density	920	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2	h	-
Processing humidity	≤0.05	%	-
Melt temperature	210 - 240	°C	-
Mold temperature	10 - 50	°C	-
Zone 1	190 - 230	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Black, Natural Color

Features

Homopolymer

Applications

Automotive

Regional Availability

Europe