

INNOPOL® CS 1-3750 HFR

PP-T20

Inno-Comp Kft.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	12	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
Mechanical properties			
ISO Data			
Tensile Modulus	2400	MPa	ISO 527
Yield stress	19	MPa	ISO 527
Yield strain	3	%	ISO 527
Flexural modulus, 23°C	2550	MPa	ISO 178
Charpy impact strength, +23°C	16.5	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	1.7	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	53	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	104	°C	ISO 75-1/-2
Vicat softening temperature, A	150	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	3.2	mm	-
Glow Wire Ignition Temperature (GWIT)	880	°C	IEC 60695-2-13
Other properties			
Density	1120	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2	h	-
Processing humidity	≤0.07	%	-
Melt temperature	210 - 240	°C	-
Mold temperature	10 - 50	°C	-
Zone 1	190 - 230	°C	-

Characteristics**Processing**

Injection Molding

Features

Homopolymer

Delivery form

Natural Color

Regional Availability

Europe

Special Characteristics

Flame retardant, Halogen-free