INNOPOL® CS 1-5120 LH

PP-T20 Inno-Comp Kft.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	**12.5**	cm³/10min	ISO 1133
Temperature	**230**	°C	-
Load	**5**	kg	-
Melt flow index, MFI	**12**	g/10min	ISO 1133
Temperature	**230**	°C	-
Load	**5**	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**2500**	MPa	ISO 527
Yield stress	**31**	MPa	ISO 527
Yield strain	**5.5**	%	ISO 527
Nominal strain at break	**35**	%	ISO 527
Flexural modulus, 23°C	**2600**	MPa	ISO 178
Charpy impact strength, +23°C	**65**	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	**19**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**4.5**	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	**1.9**	kJ/m²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**65**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**112**	°C	ISO 75-1/-2
Vicat softening temperature, A	**153**	°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	**1050**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**2**	h	-
Processing humidity	**≤0.07**	%	-
Melt temperature	**230 - 260**	°C	-
Mold temperature	**10 - 50**	°C	-
Zone 1	**190 - 250**	°C	-

Characteristics

Processing
Injection Molding

Features
Thermal Stability, Homopolymer

Delivery form
Natural Color

Regional Availability
Europe