

INFINO XP-2140C

PPS-GF40

Lotte Chemical Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	83	g/10min	ISO 1133
Temperature	316	°C	-
Load	5	kg	-
ASTM Data			
Melt Flow Index, MFI	55	g/10min	ASTM D 1238
Temperature	316	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.003	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0035	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Tensile Modulus	11400	MPa	ISO 527
Yield stress	180	MPa	ISO 527
Stress at break	180	MPa	ISO 527
Strain at break	2.7	%	ISO 527
Flexural modulus, 23°C	13400	MPa	ISO 178
Flexural strength	260	MPa	ISO 178
Charpy notched impact strength, +23°C	13	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	11	kJ/m ²	ISO 180/1A
Rockwell hardness	R 121	-	ISO 2039-2
ASTM Data			
Tensile Modulus	6900	MPa	ASTM D 638
Tensile Strength at Yield	190	MPa	ASTM D 638
Tensile Strength at Break	180	MPa	ASTM D 638
Elongation at Break	3	%	ASTM D 638
Flexural Modulus	13000	MPa	ASTM D 790
Flexural Strength	260	MPa	ASTM D 790
Rockwell Hardness	R 121	-	ASTM D 785
Izod Impact notched, 1/8 in	98	J/m	ASTM D 256
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	267	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	283	°C	ISO 75-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.9	mm	-
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.9	mm	-
DTUL @ 66 psi	282	°C	ASTM D 648
DTUL @ 264 psi	270	°C	ASTM D 648
Electrical properties			
ASTM Data			
Dielectric Constant, 1 MHz	4	-	ASTM D 150
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257
Other properties			
Density	1660	kg/m ³	ISO 1183
Density	1660	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Processing humidity	≤0.05	%	-
Melt temperature	330	°C	-
Mold temperature	120 - 150	°C	-

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Zone 1	290	°C	-
Zone 2	290 - 300	°C	-
Zone 3	310 - 320	°C	-
Nozzle temperature	330	°C	-
Screw speed	30 - 70	rpm	-
Back pressure	1 - 2	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Natural Color

Applications

Automotive

Regional Availability

North America, Europe, Asia Pacific