

LNP™ THERMOCOMP™ Compound PCAF04FRHH

(PC+ABS)-GF20

Saudi Basic Industries Corporation (SABIC)

Product Texts

LNP THERMOCOMP PCA04FRHH compound is based on Polycarbonate/Acrylonitrile Butadiene Styrene (PC/ABS) blend containing 20 % glass fiber. Added features of this grade include: Non-Brominated, Non-Chlorinated Flame Retardants.

UL Yellow Card Link [E45329-101284052](https://www.ul.com/yellow-card/E45329-101284052)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	8	cm ³ /10min	ISO 1133
Temperature	260	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	6200	MPa	ISO 527
Stress at break	85	MPa	ISO 527
Flexural modulus	5800	MPa	ISO 178
Izod notched impact strength, +23°C, 4mm	23	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, 120°C/h 50N	130	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (GWIT)	825	°C	IEC 60695-2-13
GWIT - thickness tested (2)	2	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	150	-	IEC 60112

Other properties	Value	Unit	Test Standard
Density	1320	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	230 - 270	°C	-
Mold temperature	50 - 70	°C	-
Feed temperature	60 - 80	°C	-
Zone 1	200 - 230	°C	-
Zone 2	220 - 260	°C	-
Zone 3	230 - 270	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant

Additives

Flame retarding agent

Regional Availability

North America, Europe, Asia Pacific