

TRISTAR® PC-XE2-CL02(V)S

PC

Amco Polymers

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	9	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-
Mold Shrinkage, MD	0.007	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength at Yield	60	MPa	ASTM D 638
Elongation at Break	90	%	ASTM D 638
Flexural Modulus	2096	MPa	ASTM D 790
Izod Impact notched, 1/8 in	801	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	267	J/m	ASTM D 256
Temperature	-30	°C	-
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	137	°C	ISO 75-1/-2
ASTM Data			
DTUL @ 264 psi	128	°C	ASTM D 648
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	29.9	kV/mm	ASTM D 149
Other properties			
Density	1180	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	121	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	288 - 310	°C	-
Mold temperature	71.1 - 93.3	°C	-
Zone 1	232 - 282	°C	-
Zone 2	271 - 304	°C	-
Zone 3	293 - 316	°C	-
Nozzle temperature	293 - 316	°C	-
Screw speed	40 - 70	rpm	-
Injection pressure	51.7 - 124	MPa	-
Back pressure	0.345 - 0.689	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Additives

Release agent

Special Characteristics

High impact or impact modified, U.V. stabilized or stable to weather

Certifications

RoHS compliant

Applications

Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa