

TRISTAR® PC-15R-113

PC

Amco Polymers

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	15	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	58.6	MPa	ASTM D 638
Elongation at Break	150	%	ASTM D 638
Flexural Modulus	2282	MPa	ASTM D 790
Rockwell Hardness	R 120	-	ASTM D 785
Izod Impact notched, 1/8 in	641	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	1.52	mm	-
DTUL @ 264 psi	127	°C	ASTM D 648

Optical properties	Value	Unit	Test Standard
ASTM Data			
Light Transmittance	80	%	ASTM D 1003

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.15	%	ASTM D 570
Density	1200	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	121	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	277 - 293	°C	-
Mold temperature	71.1 - 93.3	°C	-
Zone 1	249 - 271	°C	-
Zone 2	260 - 271	°C	-
Zone 3	271 - 288	°C	-
Nozzle temperature	266 - 282	°C	-
Screw speed	40 - 70	rpm	-
Injection pressure	68.9 - 124	MPa	-
Back pressure	0.345 - 1.38	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Additives

Release agent

Special Characteristics

Transparent

Certifications

RoHS compliant

Applications

Electrical and Electronical

Regional Availability

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