

# TRISTAR® PC-10R-CL02(V38)

Polycarbonate

Polymer Technology and Services, LLC

Message:

TRISTAR® PC-10R-CL02(V38) is a Polycarbonate (PC) product. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Characteristics include:

- Flame Rated
- REACH Compliant
- RoHS Compliant
- Good Mold Release
- Mold Release Agent

General Information			
UL YellowCard	E155285-223925		
Additive	Mold Release		
Features	Good Mold Release		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	38	g/10 min	ASTM D1238
Water Absorption (23°C, 24 hr)	0.12	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 3.17 mm)	64.8	MPa	ASTM D638
Tensile Elongation (Break, 3.17 mm)	110	%	ASTM D638
Flexural Modulus (3.17 mm)	2340	MPa	ASTM D790
Flexural Strength (Yield, 3.17 mm)	82.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.17 mm)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	124	°C	ASTM D648
CLTE			ASTM E831
Flow : -40 to 95°C	5.9E-5	cm/cm/°C	
Transverse : -40 to 95°C	5.9E-5	cm/cm/°C	
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	V-2		UL 94

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Recommended distributors for this material

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