

SPI PC18RU

Polycarbonate
Service Polymers, Inc.

Message:

SPI PC18RU is a Polycarbonate (PC) product. It can be processed by injection molding and is available in North America.
Characteristics include:
Flame Rated
Good Mold Release
Good UV Resistance
Mold Release Agent
UV Stabilized

General Information			
Additive	Mold Release		
	UV Stabilizer		
Features	General Purpose		
	Good Mold Release		
	Good UV Resistance		
Uses	General Purpose		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	18	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	0.50 to 0.70	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	70		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	62.9	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	6.0	%	
Break	110	%	
Flexural Modulus	2340	MPa	ASTM D790
Flexural Strength (Yield)	92.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	690	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	3200	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	132	°C	ASTM D648

Flammability	Nominal Value	Test Method
Flame Rating	V-2	Internal Method

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Recommended distributors for this material

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