

OmniCarb™ PC214UR

Polycarbonate

OMNI Plastics, LLC

Message:

OmniCarb™ PC214UR is a Polycarbonate (PC) product. It can be processed by injection molding and is available in North America.

Characteristics include:

- Flame Rated
- Good UV Resistance
- Lubricated
- UV Stabilized

General Information			
Additive	Lubricant		
	UV Stabilizer		
Features	Good UV Resistance		
	Ignition Resistant		
	Lubricated		
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)	14	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	62.0	MPa	ASTM D638
Tensile Elongation (Break)	120	%	ASTM D638
Flexural Modulus	2280	MPa	ASTM D790
Flexural Strength (Break)	76.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	750	J/m	ASTM D256
Flammability	Nominal Value		Test Method
Flame Rating (3.18 mm)	V-2		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	116	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.10	%	
Rear Temperature	249 to 282	°C	
Middle Temperature	260 to 293	°C	
Front Temperature	271 to 293	°C	
Nozzle Temperature	271 to 293	°C	
Processing (Melt) Temp	260 to 293	°C	
Mold Temperature	26.7 to 82.2	°C	

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Recommended distributors for this material

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