

# Visituf™ 3020

Polycarbonate

Technical Polymers, LLC

## Message:

Visituf™3020 is a polycarbonate (PC) material. This product is available in North America and is processed by injection molding.

Visituf™The main features of the 3020 are:

high liquidity

mold release agent

excellent release agent

General Information			
Additive	demoulding		
Features	High liquidity		
	Good demoulding performance		
Forms	Particle		
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)	20	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	72.4	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	100	%	ASTM D638
Flexural Modulus (23°C)	2280	MPa	ASTM D790
Flexural Strength (23°C)	93.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	770	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	141	°C	ASTM D648
1.8 MPa, not annealed	131	°C	ASTM D648
Vicat Softening Temperature	149	°C	ASTM D1525
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+18	ohms · cm	ASTM D257
Additional Information			
Tensile Elongation, ASTM D638: >100%			
Injection	Nominal Value	Unit	
Drying Temperature	104 - 121	°C	
Drying Time	2.0 - 4.0	hr	
Processing (Melt) Temp	271 - 316	°C	
Mold Temperature	65.6 - 104	°C	

Injection Rate	Moderate-Fast	
Back Pressure	0.345 - 0.689	MPa
Screw Speed	25 - 100	rpm
Clamp Tonnage	4.1 - 5.5	kN/cm <sup>2</sup>
Cushion	3.18 - 6.35	mm
Screw L/D Ratio	20.0:1.0	
Screw Compression Ratio	2.0:1.0 to 2.5:1.0	

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#### Recommended distributors for this material

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