

DynaMix™ 5597 CFX

Thermoplastic
Polymer Dynamix

Message:

High Strength Polymer

Features:

Excellent Chemical Resistance

Excellent Processability

Strength, High

Applications:

Metal Replacement

Industrial

General Information			
Features	Good Chemical Resistance		
	Good Processability		
	High Strength		
Uses	Industrial Applications		
	Metal Replacement		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.46	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	234	MPa	ASTM D638
Tensile Elongation (Break)	1.5	%	ASTM D638
Flexural Modulus	34500	MPa	ASTM D790
Flexural Strength	414	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	64	J/m	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+3	ohms	ASTM D257
Volume Resistivity	< 1.0E+3	ohms · cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	107 to 121	°C	
Drying Time	4.0 to 6.0	hr	
Rear Temperature	296 to 307	°C	
Middle Temperature	307 to 318	°C	
Front Temperature	316 to 329	°C	
Nozzle Temperature	321 to 329	°C	
Processing (Melt) Temp	299 to 316	°C	

Mold Temperature	121 to 163	°C
Injection Pressure	68.9 to 138	MPa
Injection Rate	Fast	
Back Pressure	0.345 to 0.689	MPa
Screw Speed	40 to 70	rpm
Clamp Tonnage	5.5 to 8.3	kN/cm ²

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