

# DynaMix™ XP-5531

Thermoplastic

Polymer Dynamix

Message:

High Temperature Polymer

Features:

Good Processing

Excellent Chemical Resistance

Low Temperature Properties

Applications:

Wire and Cable

Industrial

Automotive

General Information			
Features	Good Chemical Resistance		
	Good Impact Resistance		
	Good Processability		
Uses	Automotive Applications		
	Industrial Applications		
	Wire & Cable Applications		
Processing Method	Injection Molding		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	55.2	MPa	
Break	54.5	MPa	
Tensile Elongation			ASTM D638
Yield	9.0	%	
Break	24	%	
Flexural Modulus	1930	MPa	ASTM D790
Flexural Strength	69.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	420	J/m	ASTM D256
Injection	Nominal Value	Unit	
Drying Temperature	76.7 to 82.2	°C	
Drying Time	2.0 to 4.0	hr	
Rear Temperature	277 to 293	°C	
Middle Temperature	288 to 304	°C	
Front Temperature	299 to 316	°C	
Nozzle Temperature	299 to 316	°C	
Processing (Melt) Temp	299 to 316	°C	

Mold Temperature	121 to 149	°C
Injection Pressure	68.9 to 138	MPa
Injection Rate	Moderate	
Back Pressure	0.345 to 0.689	MPa
Screw Speed	40 to 70	rpm
Clamp Tonnage	5.5 to 8.3	kN/cm <sup>2</sup>

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