

Geon™ CPVC EC050

Chlorinated Polyvinyl Chloride

PolyOne Corporation

Message:

The Geon EC050 CPVC is an extrusion compound for Industrial Pipe applications where enhanced resistance at elevated temperatures is needed. Geon EC050 demonstrates ease of processing and excellent thermal stability.

General Information			
Uses	Industrial Applications Piping		
Forms	Powder		
Processing Method	Pipe Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.51	g/cm ³	ASTM D792
PVC Cell Classification	23447		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	117		ASTM D785
Durometer Hardness (Shore D)	80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2630	MPa	ASTM D638
Tensile Strength (Yield, 23°C)	53.5	MPa	ASTM D638
Flexural Modulus	2730	MPa	ASTM D790
Flexural Strength (Yield)	95.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	110	°C	ASTM D648
Extrusion	Nominal Value	Unit	Test Method
Melt Temperature	198 to 210	°C	

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