

# Unichem 1416

Flexible Polyvinyl Chloride

Colorite Polymers

## Message:

Unichem 1416 is a Flexible Polyvinyl Chloride product. It can be processed by extrusion or injection molding and is available in North America.

Characteristics include:

Heat Resistant

Rigid

General Information			
Features	Good Flow		
	Good Thermal Stability		
	High Rigidity		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	74		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2690	MPa	ASTM D638
Tensile Strength (Yield)	49.0	MPa	ASTM D638
Flexural Modulus	2760	MPa	ASTM D790
Flexural Strength (Yield)	82.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	370	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	67.8	°C	ASTM D648
Injection	Nominal Value	Unit	
Processing (Melt) Temp	163 to 168	°C	
Mold Temperature	10.0 to 37.8	°C	
Back Pressure	0.689 to 2.76	MPa	
Screw Speed	40 to 100	rpm	
Screw Compression Ratio	2.0:1.0 to 3.0:1.0		

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Recommended distributors for this material

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