

# Unichem 1104-03

Rigid Polyvinyl Chloride

Colorite Polymers

## Message:

Unichem 1104-03 is a Rigid Polyvinyl Chloride product. It is available in North America. Applications of Unichem 1104-03 include food contact applications and medical/healthcare.

Characteristics include:

- Clarity
- Impact Resistant
- Non-Toxic
- Rigid

General Information			
Features	Good Impact Resistance		
	High Clarity		
	High Rigidity		
	Non-Toxic		
Uses	Food Service Applications		
	Medical/Healthcare Applications		
Appearance	Clear/Transparent		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)	1.4	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	74		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	38.7	MPa	ASTM D638
Tensile Elongation (Yield)	47	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	430	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	71.1	°C	
1.8 MPa, Unannealed	65.6	°C	
Brittleness Temperature	-20.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	4.7E+15	ohms · cm	ASTM D257

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