

# ALPHAMED 2222R-80 CLEAR 000X

## Alphagary - Flexible Polyvinyl Chloride

### General Information

#### Product Description

ALPHAMED 2222R-80 CLEAR 000X is produced from FDA sanctioned ingredients. It was especially developed for the extrusion of sparkling clear medical tubing. This bluish-clear compound can be processed at relatively low operating temperatures, thus offering improved clarity. ALPHAMED 2222R-80 CLEAR 000X showed exceptional resistance to radiation sterilization and it was designed to pass USP Class VI biocompatibility tests for medical devices.

#### General

Features	<ul style="list-style-type: none"> <li>• Biocompatible</li> <li>• Good Processability</li> </ul>	<ul style="list-style-type: none"> <li>• High Clarity</li> <li>• Radiation Sterilizable</li> </ul>
Uses	<ul style="list-style-type: none"> <li>• Medical/Healthcare Applications • Tubing</li> </ul>	
Agency Ratings	<ul style="list-style-type: none"> <li>• FDA</li> </ul>	<ul style="list-style-type: none"> <li>• USP Class VI</li> </ul>
Appearance	<ul style="list-style-type: none"> <li>• Clear/Transparent</li> </ul>	
Processing Method	<ul style="list-style-type: none"> <li>• Extrusion</li> </ul>	

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.23		ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.70	g/10 min	
190°C/21.6 kg	98	g/10 min	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 100% Secant (0.0750 in)	1200	psi	ASTM D638
Tensile Strength (0.0750 in)	2940	psi	ASTM D638
Tensile Elongation (Break, 0.0750 in)	330	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 10 sec, 0.125 in	80		
Shore A, 15 sec, 0.250 in	78		
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-22.0	°F	ASTM D746

### Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	340	°F