ALPHAMED 2212RHT/1-118 CLEAR 080X

Alphagary - Rigid Polyvinyl Chloride

General Information

Product Description

ALPHAMED 2212RHT/1-118 CLEAR 080X is a high flow, radiation resistant, rigid PVC formulation designed for injection molding. This compound offers high thermal stability for easy processing into medical device components like fistulas, luers, hubs, drip chambers, connectors and other injection molded applications. ALPHAMED 2212RHT/1-118 CLEAR 080X exhibits outstanding resistance to radiation sterilization and it has been designed to meet USP Class VI and cytotoxicity requirements for disposable medical devices.

General

Features	• Disposable • Good Processability • Good Thermal Stability	• High Flow • Non-Toxic • Radiation (Gamma) Resistant	• Radiation Sterilizable
Uses	• Connectors	• Medical/Healthcare Applications	
Agency Ratings	• USP Class VI		
Appearance	• Clear/Transparent		
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.32		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	13	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	265000	psi	ASTM D638
Tensile Strength (0.0750 in)	6500	psi	ASTM D638
Tensile Elongation (Break, 0.0750 in)	10	%	ASTM D638
Flexural Modulus (0.125 in)	385000	psi	ASTM D790
Flexural Strength (Yield)	11400	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Unnotched Izod Impact (73°F)	12	ft·lb/in	ASTM D4812
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore D, 10 sec, 0.125 in	77		
Shore D, 15 sec, 0.250 in	76		
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
264 psi, Unannealed	147	°F	

Processing Information

Injection	Nominal Value	Unit
Processing (Melt) Temp	355	°F