Geon™ HC 2155

Flexible Polyvinyl Chloride

Key Characteristics

Product Description			
Geon HC 2155 is a 55 Shore A non-phthalate flexible vinyl compound made from FDA sanctioned ingredients. HC 2155 can be used for extrusion and injection molding healthcare applications.			
General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• BPA Free • Ethylene Oxide Sterilizable	• Good Processability • High Clarity	• Non-Phthalate Plasticizer
Uses	• Connectors • Disposable Hospital Goods • Hospital Goods	• Medical Devices • Medical/Healthcare Applications • Personal Care	• Tubing
Agency Ratings	• FDA Unspecified Rating		
Appearance	• Clear/Transparent		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.16	1.16	ASTM D792
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Strength [2] (100% Strain)	750 psi	5.17 MPa	ASTM D638
Tensile Strength [2] (Break)	1500 psi	10.3 MPa	ASTM D638
Tensile Elongation [2] (Break)	540 %	540 %	ASTM D638
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Durometer Hardness (Shore A, 15 sec)	55	55	ASTM D2240
Thermal	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Brittleness Temperature	-40.0 °F	-40.0 °C	ASTM D746

Additional Information

NOTE: All ingredients used in the formulation of this compound are listed in the United States FDA Code of Federal Regulations, Title 21. The only restriction is that the plasticizer is "For foods of high water content only". This statement is only an overview of the FDA listings for this product. It is the customer's responsibility to ensure that the compound is suitable for its intended application.

This product is not recommended for long-term storage of blood or blood components. Please contact PolyOne for more information.

Notes

[1] Typical values are not to be construed as specifications.

[2] Type IV, 20 in/min (510 mm/min)