Vythene™ 11X-68 RV3 CLEAR TL 0002 C15

Alphagary - Polyvinyl Chloride + PUR

General Information

Product Description

VYT/11X-68 RV3 CLEAR TL 0002 is a non-toxic Vythene compound produced from FDA sanctioned additives. Its unique combination of properties lends flexibility, toughness, tear strength, and abrasion resistance to a variety of demanding applications, including resiratory medical devices.

VYT/11X-68 RV3 CLEAR TL 0002 processes easily on conventional extrusion or injection molding equipment and does not require pre-drying.

General

Features	• Abrasion Resistant • Good Flexibility	• Good Processability • Good Tear Strength	• Good Toughness • Non-Toxic
Uses	• Medical/Healthcare Applications		
Agency Ratings	• FDA		
RoHS Compliance	• Contact Manufacturer		
Appearance	• Clear/Transparent		
Processing Method	• Extrusion	• Injection Molding	

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.18		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	30	g/10 min	ASTM D1238
Water Absorption (Equilibrium)	0.50	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638
0.0750 in	2800	psi	
500% Strain, 0.0750 in	500	psi	
Tensile Elongation (Break, 0.0750 in)	600	%	ASTM D638
Taber Abrasion Resistance - % loss 5000 cycles	1	%	ASTM D1044
Tear Strength - Graves	410	lbf/in	ASTM D1004
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness [2]			ASTM D2240
Shore A, 10 sec, 0.125 in	68		
Shore A, 15 sec, 0.250 in	66		
Thermal	**Nominal Value**	**Unit**	**Test Method**
Brittleness Temperature	-58.0	°F	ASTM D746

Processing Information

Injection	Nominal Value	Unit
Processing (Melt) Temp	340	°F
Extrusion	**Nominal Value**	**Unit**
Melt Temperature	340	°F

Notes

[1] Typical properties: these are not to be construed as specifications.

[2] Aged for 24 hr