



Vythene™ 13E-55 CLEAR TL 0025

Alphagary - Polyvinyl Chloride + PUR

General Information

Product Description

VYT/13E-55 Clear TL 0025 is a "non-toxic" Vythene compound which combines the best qualities of a thermoplastic elastomer and vinyl at an economical cost. Its unique combination of properties lends flexibility, toughness, tear strength and low temperature resistance to a variety of demanding applications.

VYT/13E-55 Clear TL 0025 processes easily on conventional extrusion equipment and does not require pre-drying.

VYT/13E-55 Clear TL 0025 is produced from FDA sanctioned ingredients and it has been designed to pass the USP Class VI biocompatibility requirements.

General

Features	<ul style="list-style-type: none"> • Biocompatible • Good Flexibility • Good Processability 	<ul style="list-style-type: none"> • Good Tear Strength • Good Toughness • Low Temperature Resistant 	<ul style="list-style-type: none"> • Non-Toxic
Uses	<ul style="list-style-type: none"> • Medical/Healthcare Applications 		
Agency Ratings	<ul style="list-style-type: none"> • FDA 	<ul style="list-style-type: none"> • USP Class VI 	
RoHS Compliance	<ul style="list-style-type: none"> • Contact Manufacturer 		
Appearance	<ul style="list-style-type: none"> • Clear/Transparent 		
Processing Method	<ul style="list-style-type: none"> • Extrusion 		

Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.17		ASTM D792
Water Absorption (Equilibrium)	0.32	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
0.0750 in	1430	psi	
500% Strain, 0.0750 in	364	psi	
Tensile Elongation (Break, 0.0750 in)	470	%	ASTM D638
Tear Strength - Graves	220	lbf/in	ASTM D1004
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness ²			ASTM D2240
Shore A, 10 sec, 0.125 in	55		
Shore A, 15 sec, 0.250 in	52		
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-70.6	°F	ASTM D746

Processing Information

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