

# Vythene™ VYT/13E-55 CLEAR TL 0025

Polyvinyl Chloride + PUR

AlphaGary

## Message:

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 Information			
Features	Biocompatible		
	Good Flexibility		
	Good Processability		
	Good Tear Strength		
	Good Toughness		
	Low Temperature Resistant		
	Non-Toxic		
Agency Ratings	FDA Unspecified Rating		
	USP Class VI		
RoHS Compliance	Contact Manufacturer		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15 to 1.19	g/cm³	ASTM D792
Water Absorption (Equilibrium)	0.32	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 10 sec, 3.18 mm	52 to 58		
Shore A, 15 sec, 6.35 mm	49 to 55		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 100% Secant (1.91 mm)	2.51	MPa	ASTM D638
Tensile Strength (1.91 mm)	9.86	MPa	ASTM D638
Tensile Elongation (Break, 1.91 mm)	470	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength <sup>1</sup>	38.2	kN/m	ASTM D1004
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-57.0	°C	ASTM D746
Extrusion	Nominal Value	Unit	

Melt Temperature	168 to 174	°C
NOTE		
1.	Graves	

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#### Recommended distributors for this material

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