

Vythene™ VYT/11X-50 RV1 CLEAR TL 0002

Polyvinyl Chloride + PUR

AlphaGary

Message:

VYT/11X-50 RV1 Clear TL 0002 is a "non-toxic" Vythene compound which combines the best qualities of a thermoplastic elastomer and vinyl at an economical cost. This compound processes easily on conventional injection blow molding equipment and does not require pre-drying.

General Information	
Features	Workability, good
	Non-toxic
RoHS Compliance	Contact manufacturer
Appearance	Clear/transparent
Forms	Particle
Processing Method	Extrusion
	Injection blowing molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14 - 1.18	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec, 6.35 mm)	45 - 51		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 100% Secant (1.91 mm)	2.69	MPa	ASTM D638
Tensile Strength (1.91 mm)	10.0	MPa	ASTM D638
Tensile Elongation (Break, 1.91 mm)	470	%	ASTM D638
Wear resistance-loss, 5000 cycles	1	%	ASTM D1044
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ¹	35.0	kN/m	ASTM D1004
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-55.0	°C	ASTM D746
Injection	Nominal Value	Unit	
Processing (Melt) Temp	149 - 166	°C	
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	138	°C	
Cylinder Zone 2 Temp.	149	°C	
Cylinder Zone 3 Temp.	154	°C	
Cylinder Zone 4 Temp.	160	°C	
Cylinder Zone 5 Temp.	166	°C	
Adapter Temperature	166	°C	
Melt Temperature	166 - 171	°C	

Die Temperature	166	°C
Extrusion instructions		
Material can be processed utilizing standard PVC extrusion screws and tooling		
NOTE		
1.	Graves	

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