

# PolyBlend™ 1100 80A

Polyurethane  
CardioTech International, Inc.

Message:

PolyBlend™1100 80A is a polyurethane material. This product is available in North America and is processed by extrusion or injection molding.  
PolyBlend™The main features of 1100 80A are:  
high strength  
plasticization

General Information			
Additive	Plasticizer		
Features	Aroma		
	High tensile strength		
	Good stripping		
	Good melt strength		
	Soft		
	Extended tensile rate		
Appearance	Clear/transparent		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		
Hardness	Nominal Value		Test Method
Durometer Hardness (Shore A)	80		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% strain	3.83	MPa	ASTM D412
300% strain	6.34	MPa	ASTM D412
Tensile Strength (Yield)	31.7	MPa	ASTM D412
Tensile Elongation (Yield)	590	%	ASTM D412
Tear Strength <sup>1</sup>	57.8	kN/m	ASTM D624
Additional Information			
Tensile Modulus, ASTM D412-61T: 460 psi			
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	202	°C	
Cylinder Zone 2 Temp.	207	°C	
Cylinder Zone 3 Temp.	213	°C	
Melt Temperature	213	°C	
Die Temperature	210	°C	
Extrusion instructions			

Clamp Temperature: 415 °FL/D Screw Ratio: 24:1

NOTE

1. C mould

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Recommended distributors for this material

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