

## GENERAL PURPOSE THERMOFORMING RIGID PVC – 900 SERIES

The 900 series is a thermoforming grade product designed for packaging applications such as multipurpose “Clam Shells and Blisters”. The product has superb visual characteristics and excellent clarity and sparkle. The thermoforming properties of the product are carefully controlled to limit the tendency to form webs in difficult applications. Depending on design of the formed part and the environment the product is used, four different grades are available.

All 900 series products are available in the standard colours clear, natural, and neutral. Rolls can also be ordered in translucent and opaque colours. The material can be supplied uncoated, one side coated, or two side coated as required.

Property	Units	Test Method	900 series			
			902	904	906	908
<b>Specific Gravity</b>	g/cm <sup>3</sup>	ASTM D792	1.35	1.34	1.33	1.32
<b>Tensile Strength at Yield, MD</b>	psi	ASTM D 882	6200+	6200+	6200+	6200+
<b>Approximate Nominal Yield</b>	in <sup>2</sup> /lb / mil	Calculated	20,500	20,650	20,800	20,950
<b>Elongation at Break @ 120 °C</b>	%	ASTM D 882				
MD:			300	300	320	330
TD:			260	300	310	310
<b>Tensile Impact</b>	ft.lb/in <sup>2</sup>	ASTM D 1822	150-200	200-250	250-300	300+
<b>Izod Impact @ 23 °C (1/8") (20" / minute)</b>	ft.lb/in notch	ASTM D 256	10-14	14-18	18-22	22+
<b>Gardner Impact Test</b> (Mean Failure Energy)	in.lb./mil	ASTM D 5420	3.9 ± 0.3	3.9 ± 0.3	4.1 ± 0.2	4.3 ± 0.3
<b>Cold Break Temperature</b>		ASTM D 1790				
	°F		-4	-13	-31	-40
	°C		-20	-25	-35	-40
<b>Heat Distortion Temperature</b>		ASTM D 648				
	°F		160	160	158	158
	°C		71	71	70	70
<b>Haze</b>	%	ASTM D 1003	2.0	2.0	2.0	2.0
<b>Gloss (85°)</b>	-	ASTM D 2457	105	105	105	105
<b>Elastic Modulus</b>	psi	ASTM D 882				
MD:			330,000	310,000	310,000	300,000
TD:			340,000	320,000	310,000	300,000
<b>Thickness Range</b>			0.005" to 0.045"	0.005" to 0.045"	0.005" to 0.045"	0.005" to 0.045"
<b>Thickness Specification</b>	%		± 5%	± 5%	± 5%	± 5%
<b>Standard Roll Format</b>			20" OD Rolls on 3" and 6" cores	20" OD Rolls on 3" and 6" cores	20" OD Rolls on 3" and 6" cores	20" OD Rolls on 3" and 6" cores
<b>Slit Width Tolerance</b>	inch		± 5/64	± 5/64	± 5/64	± 5/64
<b>Maximum Roll Width</b>	inch		72	72	72	72

Special Note: The information contained herein is believed to be reliable. It is offered in good faith but does not constitute warranty or guarantee. Since conditions and methods of use of our product are beyond our control, it is the responsibility of the end user to determine suitability of the material for its intended application. Data obtained from 10-15 gauge material.