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Canadian Specialty Vinyls

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 colors clear, natural, and neutral. Rolls can also be ordered in translucent and opaque colors. 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
Specific Gravity	g/cm ³	ASTM D792	1.35	1.34	1.33	1.32
Tensile Strength at Yield, MD	psi	ASTM D 882	6200+	6200+	6200+	6200+
Approximate Nominal Yield	2	Calculated	20,500	20,650	20,800	20,950
Elongation at Break @ 120 °C	in./lb / mil %	ASTM D 882				
MD:			300	300	320	330
TD:			260	300	310	310
Tensile Impact Izod Impact @ 23 °C (1/8") (20" / minute)	ft.lb/in ² ft.lb/in notch	ASTM D 1822 ASTM D 256	150-200 10-14	200-250 14-18	250-300 18-22	300+ 22+
Gardner Impact Test (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
Cold Break Temperature	°F °C	ASTM D 1790	-4 -20	-13 -25	-31 -35	-40 -40
Heat Distortion Temperature	°F °C	ASTM D 648	160 71	160 71	158 70	158 70
Haze	%	ASTM D 1003	2.0	2.0	2.0	2.0
Gloss (85°)	-	ASTM D 2457	105	105	105	105
Elastic Modulus	psi	ASTM D 882				
MD:			330,000	310,000	310,000	300,000
TD:			340,000	320,000	310,000	300,000
Thickness Range			0.005" to 0.045"	0.005" to 0.045"	0.005" to 0.045"	0.005" to 0.045"
Thickness Specification	%		± 5%	± 5%	± 5%	± 5%
Standard Roll Format			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
Slit Width Tolerance	inch		± 5/64	± 5/64	± 5/64	± 5/64

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Maximum Roll Width inch	72	72	72	72
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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.