

Technical Data Sheet



Product name: Pentaform® Rigid Vinyl TH-M467/01

Description: Rigid vinyl utility-grade thermoforming film with high-impact strength composed of a minimum of 25% industrial reprocessed content. Color varies slightly and other cosmetic properties may vary within and between lots due to variability in quality and color of reprocessed material.

Color: Clear blue tint

Surface: Gloss/gloss
Silicone coating available

Properties	Standard	U.S.		SI	
		Unit	Value	Unit	Value
Gauge Range Available	Micrometer	mils	10-30	µm	254-762
Gauge Tolerance	D-374	%	±5	%	±5
Specific Gravity	D-792	—	1.33	—	1.33
Material Yield (Nominal)	D-792	in ² /lb	2,080 1,387 1,040 694	m ² /kg	2.96 1.97 1.48 0.99
10 mil					
15 mil					
20 mil					
30 mil					
Tensile Strength	D-882	lb/in ²	6,600	N/mm ²	46
Tensile Elongation (Break)	D-882	%	180	%	180
Tensile Impact Strength	D-1822 MOD	ft*lb/in ²	275	J/mm ²	0.58
Gloss (20°)	D-523	%	130	%	130
Cold Break Temperature	D-1790	°F	-13	°C	-25
Heat Deflection Temperature	D-648	°F	162	°C	72

Regulatory:

- Klöckner Pentaplast certifies that its rigid film and sheet products comply with the most recent package requirements for heavy metals of the Toxic Packaging Clearing House (TPCH, formerly CONEG) legislation and the latest March 9, 2005, requirements of the European Packaging Directive EU 94/62, as well as European Union Directive 2002/95/EC (RoHS – Reduction of Hazardous Substances).
- Klöckner Pentaplast rigid films and sheet products do not contain any Ozone depleting substances, including those listed in the 1990 Clean Air Act Amendments.
- No DEHP (Di-ethylhexyl phthalate) or DEHA (Di-ethylhexyl adipate) or any other phthalate or adipate additives are used in the manufacture of Klöckner Pentaplast rigid film and sheet products.
- No BPA (bisphenol A), alkyl phenols (octyl and nonyl), alkyl phenol ethoxylates (octyl and nonyl), or butyl benzyl phthalates are used in the manufacture of this kp film.

The statements contained herein are for informational purposes only and are true and accurate to the best of our scientific and technical knowledge. This information does not constitute a guarantee or warranty, express or implied, nor does it establish a legally valid contractual relationship. It is the customer's responsibility to determine the suitability of this product for the customer's intended use, and Klöckner Pentaplast does not assume any liability for the customer's use of this product or the information contained herein.
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- Storage conditions:**
- Ideal storage conditions between 10-30°C (50-86°F)
 - Ideal RH 40-70%
 - Should not be stored in direct sunlight
 - Film should be conditioned a minimum of 24 hours at ambient room temperature

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