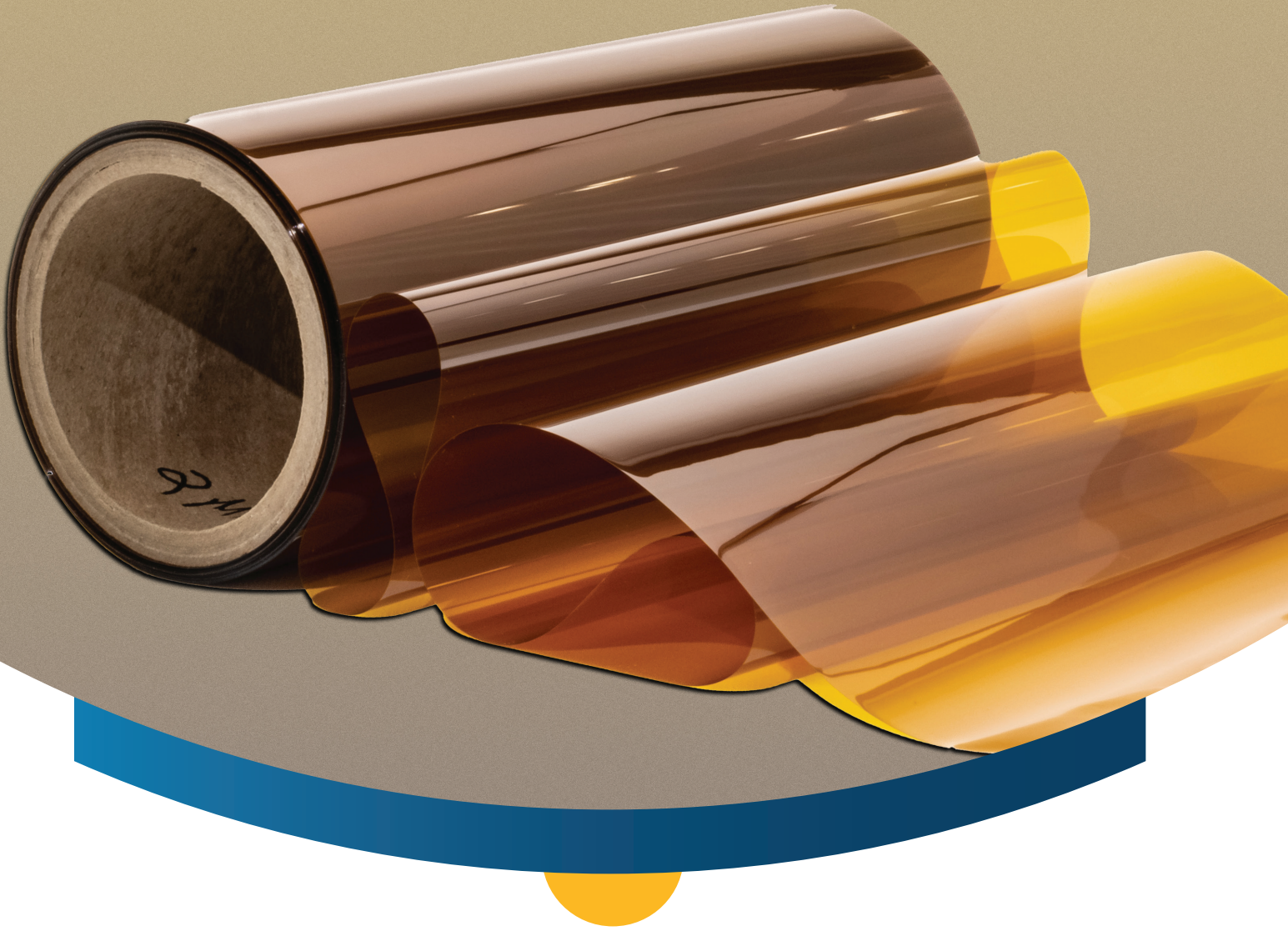
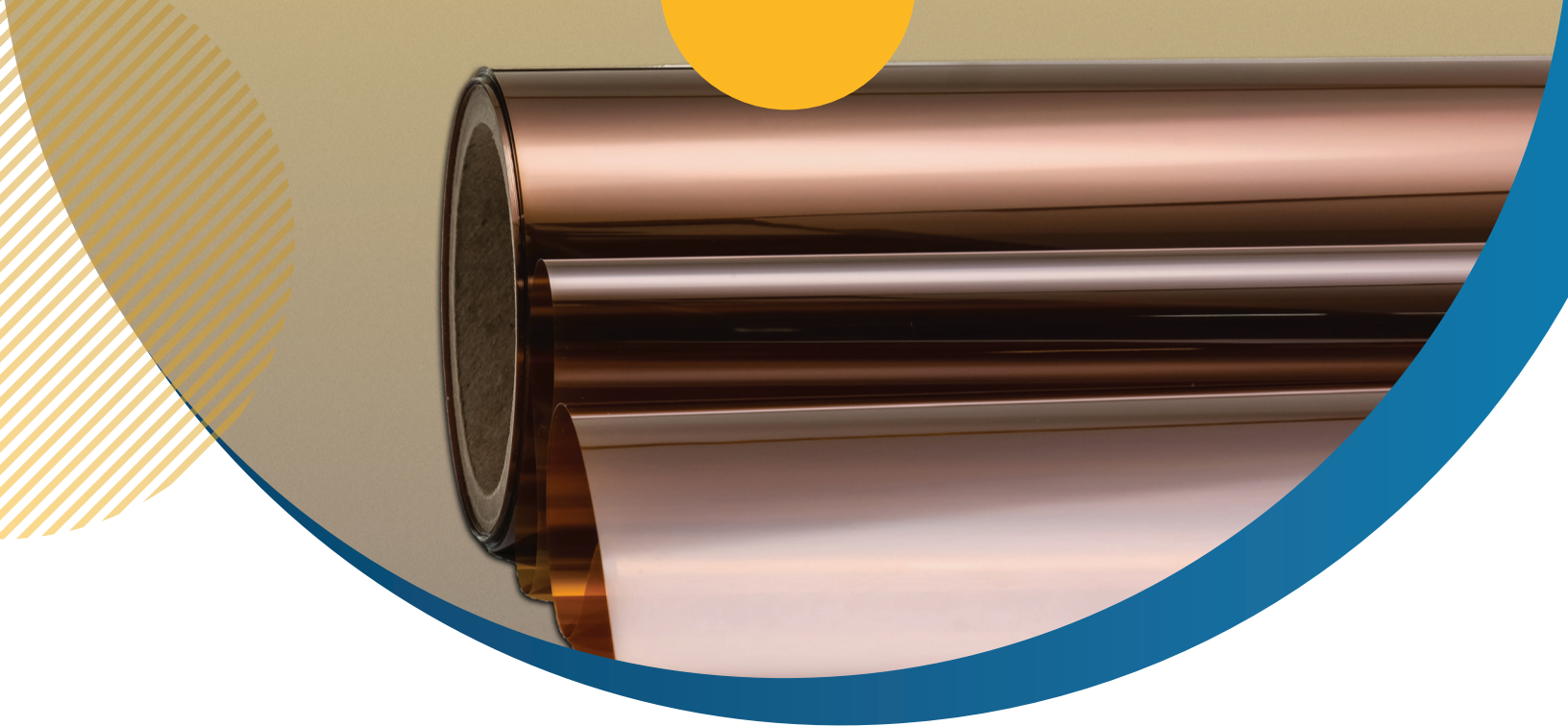


A SAINT-GOBAIN BRAND



CoreTech Performance Film Solutions
**COATED, METALIZED, AND
CONVERTED POLYIMIDE**

CoreTech

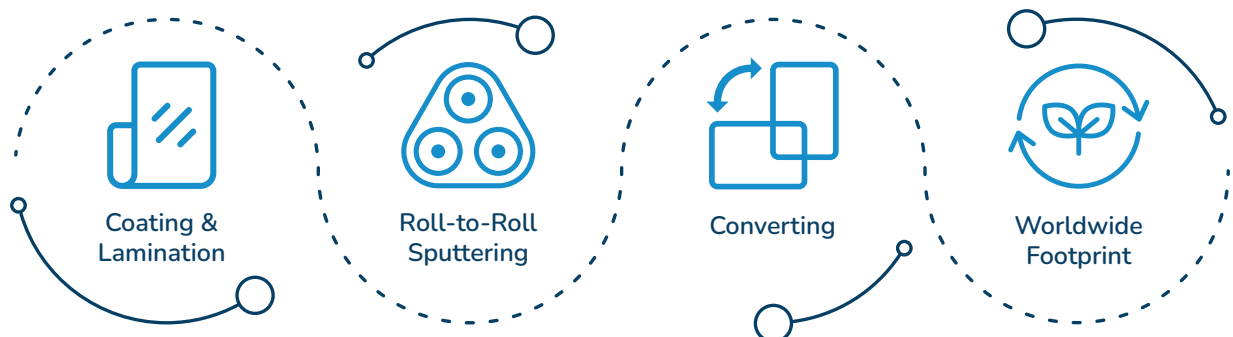


COATED, METALIZED, AND CONVERTED POLYIMIDE

CoreTech is a Saint-Gobain brand with over five decades of innovation in the thin films industry thanks to our highly technical team of engineers.

We pride ourselves on our global footprint and supply chain, ensuring our partners have access to premium materials and services wherever they operate. Our specialized and customizable capabilities allow us to tailor films to meet specific needs, from slitting master rolls into more manageable sizes to splicing them into jumbo rolls that minimize downtime and maximize yield. Extensive wet-coating and laminating experience and multiple in-house coating formulation labs, provide our customers with solutions to even the most challenging requirements. Our 77" wide-web sputtering capabilities and patented vacuum-coating technologies, we can deposit any kind of metal including metal- and metal-nitrides.

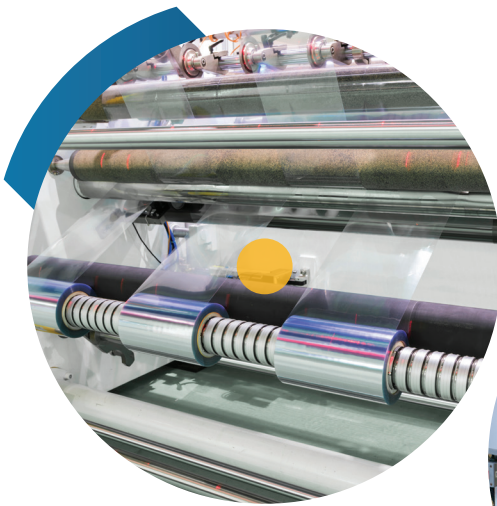
KEY BENEFITS



COATED, METALIZED, AND CONVERTED POLYIMIDE

CoreTech provides economical polyimide supply solutions for both in the US and globally. Fully customizable solutions including converting, lamination, coating, and metallization are available to ensure your precise requirements are met. Typical values are listed below with other thicknesses available upon request.

| Property | Test Method | 1mil [25µm] Nominal Values | 2mil [50µm] Nominal Values | Units |
|----------------------------------|-------------|-------------------------------|-------------------------------|------------------|
| Tensile Strength 23°C | ASTM D882 | 41 [284] | 40 [275] | kpsi [Mpa] |
| Elongation 23°C | ASTM D882 | 92 | 99 | % |
| Volume Resistivity 500v, 23°C | ASTM D257 | 3.0×10^{14} | 3.4×10^{14} | $\Omega \cdot m$ |
| Surface Resistance 500v, 23°C | ASTM D257 | 2.8×10^{16} | 3.1×10^{16} | Ω |
| Heat Shrinkage | IPC TM 650 | <0.05% | <0.05% | % |

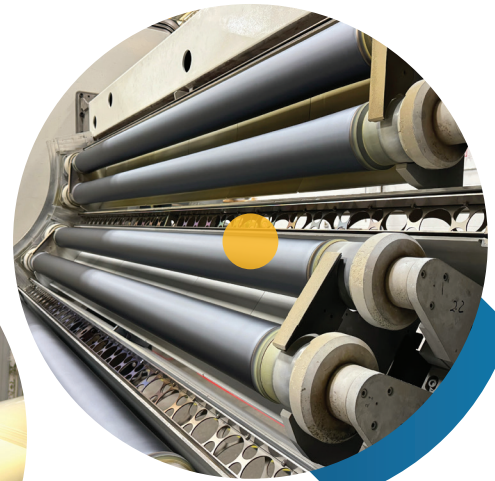


CONVERTING

Width and length converting options to create shorter rolls for easier handling, or longer jumbo rolls to enhance production efficiency.

COATING

Custom coating and lamination services on polyimide to provide hard coat, release, or adhesive properties.



SPUTTERING

Custom metalizing on polyimide to create a micron-thin sputtered deposition to provide conductivity or solar control.

CoreTech, a Saint-Gobain brand, offers over five decades of expertise in roll-to-roll magnetron sputtering, wet coating, and lamination.



Contact your CoreTech
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coretechfilms@saint-gobain.com



Saint-Gobain Research
and Development Centers



Saint-Gobain
Performance Film Solutions Sites

CoreTech

PERFORMANCE FILM SOLUTIONS

CoreTech Performance Film Solutions is a brand within Saint-Gobain – a company with more than 350 years of experience in innovative material design, development and manufacturing. CoreTech proudly offers over five decades of leadership in the thin films market, with products manufactured in ISO 9001:2015 certified QMS environments. Featuring state-of-the-art wide-web magnetron sputtering equipment, we are the experts in roll-to-roll sputtering, precision wet-coating and lamination, and converting. Learn more about how our technologies and capabilities can bring your next project to life.

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