

CHR® R SERIES

Skived PTFE Pressure Sensitive Adhesive Tape

CHR R-Series is a highly modified skived PTFE (polytetrafluoro-ethylene) film coated with a high temperature, pressure sensitive acrylic or silicone adhesive.

Features/Benefits

The high-temperature resistance and anti-stick properties of Teflon™ allow these products to be used as a release surface. Extremely durable and abrasion resistant as a result of patented modifications to the polymer during processing, R-Series tapes will not curl or wrinkle. They are hard-wearing and easy to apply. These tapes will not leave an adhesive residue when removed, resulting in less equipment down time.

Availability

Factory stock for R-Series tapes is in master rolls 33m × 381mm (36 yd × 15 in). Rolls can be slit in widths from 6.35mm to 381mm (0.25 in to 15 in). These materials can also be supplied with a release liner if needed.

Applications

R-Series tapes are ideal for protecting extrusion and laminating equipment during the plastic extrusion coating process, which combines plastic films with various substrates, most commonly paper. During this process, plastics are extruded onto the substrate as it passes between a neoprene-covered roller and a cooling roller. **CHR R-Series** tapes are used as a roller wrapping tape to protect the exposed ends of the neoprene roller from molten plastic which is over-coated wider than the substrate. Specifically, R263 can be used for wire harnessing applications in aerospace and is fully qualified to Airbus ABS5330 and MIL A-A-59474 specifications.



CHR R Series Properties

Performance tests are run using standard test procedures.

The values presented are typical values and should not be used for specification purposes.

Product Number	R263	R253	R233
Backing Material	Calendared Resintered Skived PTFE Film		
Adhesive Type	Silicone	Silicone	Acrylic
Total Thickness mm (mil)	0.120 (4.4)	0.127 (5.0)	0.127 (5.0)
Backing Thickness mm (mil)	0.060 (2.4)	0.076 (3.0)	0.076 (3.0)
Adhesive Thickness mm (mil)	0.051 (2.0)	0.051 (2.0)	0.051 (2.0)
Adhesion to Steel N/cm (oz/in)	2.7 (25)	3.8 (35)	2.7 (25)
Tensile Strength N/cm (lb/in)	35 (20)	70 (40)	70 (40)
Elongation (% at break)	<200	150+	150+
Dielectric Strength (volts)	>9,500	>11,000	>11,000
Operating Temperature °C (°F)	-73 to +260 (-100 to +500)	-73 to +260 (-100 to +500)	-40 to +177 (-40 to +350)
Specifications	Airbus ABS5330 MIL A-A-59474		



Saint-Gobain Tape Solutions

North America | South America | Europe | Asia

For a full list of locations, please visit
tapesolutions.saint-gobain.com/contact-us

IMPORTANT: It is the user's responsibility to ensure the suitability and safety of Saint-Gobain products for all intended uses and that the materials to be used comply with all applicable regulatory requirements. Saint-Gobain assumes no responsibility for any product failures that occur due to misuse of the materials it provides arising out of the design, fabrication or application of the products into which the materials are incorporated.

WARRANTY: For a period of 6 months, Saint-Gobain warrants this product(s) to be free from defects in manufacturing. The only obligation under any applicable product warranty will be to replace any portion proving defective, or at our option, to refund the purchase price thereof. SAINT-GOBAIN DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Form #1101 | © Saint-Gobain October 2021 | **CHR** and **CHRTape** are trademarks of Saint-Gobain. Teflon™ is a trademark of The Chemours Company FC, LLC.