

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 x 381mm (36 yd x 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.



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	R253	R233
Backing Material	Calendared Resintered Skived PTFE Film	Calendared Resintered Skived PTFE Film
Adhesive Type	Silicone	Acrylic
Total Thickness mm (mil)	0.127 (5.0)	0.127 (5.0)
Backing Thickness mm (mil)	0.076 (3.0)	0.076 (3.0)
Adhesive Thickness mm (mil)	0.051 (2.0)	0.051 (2.0)
Adhesion to Steel N/cm (oz/in)	3.8 (35)	2.7 (25)
Tensile Strength N/cm (lb/in)	70 (40)	70 (40)
Elongation (% at break)	150+	150+
Dielectric Strength (volts)	>11,000	>11,000
Operating Temperature °C (°F)	-73 to +260 (-100 to +500)	-40 to +177 (-40 to +350)



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