

# CHR® Pressure Sensitive Adhesive Tapes



Saint-Gobain Performance Plastics CHR® brand slip, anti-friction and release tape products have been designed to meet the tough requirements demanded by the packaging industry: high speed durability and long life at high temperature.

## Rulon®: RU, RU101

The abrasion resistant PTFE... **Rulon** offers superior (500X) wear resistance in rotating bearing tests, and its low coefficient of friction, high operating temperature (500°F) and self lubricating properties makes this tape an excellent choice for liners, and chute and rail coverings.

## Skived PTFE: T Series, 2042, 2045

The non-stick standard... The **T-Series** film tapes are white in color with silicone adhesives and are well suited for packaging equipment and heat sealing applications, as well as graphic arts, electrical insulation and general purpose industrial use. **2042** comes with acrylic adhesive, **2045** with silicone; both are the traditional gray in color.

## Skived, High-Modulus PTFE: 2253, 2254, 2255

The less stretch PTFE... High-Modulus tapes have less elongation and greater tensile strength than plain skived PTFE tapes. **2253 (HM430)** comes with acrylic adhesive and **2254/2255 (HM350/650)** have silicone adhesives. These films exhibit outstanding dielectric, chemical, temperature, wear, anti-stick and non-toxic properties. All High Modulus tapes are the traditional gray in color.

## Extruded, High-Modulus PTFE: 2265 Oriented, Extruded, High Modulus PTFE: 2275, 2283, 2285

The ultimate roller wrappers... Extruded High Modulus and especially Oriented Extruded PTFE films are the ultimate in durability, low stretch/high strength, high temperature, non-stick protection for lamination lay ups and roll-end wraps. **2275** and **2285** are popular in plastic extrusion to protect the exposed roll ends from molten plastic. Sometimes fabricated into belts, the release and stability properties are especially important on those long production runs.

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## Slip, Anti-Friction and Release Tapes

### Features/Benefits

- Non- toxic
- Weather resistant
- Self lubricating
- Chemical and heat resistant
- Available in both low temperature acrylic and high temperature clean release silicone adhesive
- Available in thicknesses from 2-20 mils
- Variety of dielectric insulation values and insulation classes
- Meets MIL spec requirements



PVC extrusion welding, platen cover

The leader in pressure sensitive adhesive tapes for the packaging industry, Saint-Gobain combines the two trusted market leaders' product offerings (CHEMFAB® and Furon), brand names like CHEMSTIK® and CHR, into one powerhouse package. Saint-Gobain tapes offer superior constructed substrates of pure PTFE and fiberglass coated with premium adhesives formulated for operating at high temperature. Also, lower temperature acrylic adhesive is available for those applications where just non-stick or anti-friction is required.

## UHMW Ultra High Molecular Weight Polyethylene: 2300, 2302

The tough, long lasting tape... Both 2302 (acrylic) and 2300 (rubber) adhesive coated UHMW film tapes offer extreme

abrasion resistance, low friction and non-stick performance at lower temperatures (225°F limit) compared to PTFE. Excellent choice for sliders, rail covers in automated packaging and bearing surfaces.

## CHR® Tapes — Typical Physical Properties — Heat Sealing Tapes

Part Number	Color	Adhesive	Backing	Total	Dielectric	Elongation	Tensile
RU	Rose	Silicone	0.0080 in.	10 mil	—	225%	20 lbs./in.
RU101	Rose	Acrylic	0.0080 in.	10 mil	—	225%	20 lbs./in.
2042-2	Gray	Acrylic	0.002 in.	3.5 mil	7.0 MV	300%	15 lbs./in.
2042-3	Gray	Acrylic	0.003 in.	4.5 mil	10.0 MV	375%	20 lbs./in.
2042-5	Gray	Acrylic	0.005 in.	6.5 mil	13.5 MV	400%	30 lbs./in.
2042-10	Gray	Acrylic	0.010 in.	11.5 mil	19.0 MV	450%	55 lbs./in.
2045-2	Gray	Silicone	0.002 in.	3.5 mil	7.5 MV	325%	15 lbs./in.
2045-3	Gray	Silicone	0.003 in.	4.5 mil	9.5 MV	350%	20 lbs./in.
2045-5	Gray	Silicone	0.005 in.	6.5 mil	13.0 MV	400%	30 lbs./in.
2045-10	Gray	Silicone	0.010 in.	11.5 mil	19.5 MV	450%	60 lbs./in.
2253-2/HM430	Gray/White	Acrylic	0.002 in.	3.5 mil	9.5 MV	150%	30 lbs./in.
2254-2	Gray	Silicone	0.002 in.	3.5 mil	9.0 MV	150%	30 lbs./in.
2255-2/HM350	Gray/White	Silicone	0.002 in.	3.5 mil	9.0 MV	150%	30 lbs./in.
2255-3	Gray	Silicone	0.003 in.	4.5 mil	11.0 MV	175%	45 lbs./in.
2255-5/HM650	Gray/White	Silicone	0.005 in.	6.5 mil	15.0 MV	175%	60 lbs./in.
2255-6	Gray	Silicone	0.006 in.	7.5 mil	18.0 MV	200%	65 lbs./in.
T	White	Silicone	0.003 in.	6.0 mil	10.0 MV	275%	25 lbs./in.
TH	White	Silicone	0.010 in.	12.5 mil	18.0 MV	300%	60 lbs./in.
TV	White	Silicone	0.005 in.	6.5 mil	13.0 MV	275%	30 lbs./in.
TV-350	White	Silicone	0.002 in.	3.5 mil	7.8 MV	250%	25 lbs./in.
2265-2	Gray	Silicone	0.002 in.	3.5 mil	8.0 MV	200%	25 lbs./in.
2265-5	Gray	Silicone	0.005 in.	7.0 mil	15.0 MV	250%	65 lbs./in.
2275-2	Rust	Silicone	0.0023 in.	4.2 mil	11.0 MV	110%	45 lbs./in.
2283-2	Orange	Acrylic	0.002 in.	4.0 mil	10.0 MV	150%	30 lbs./in.
2285-2	Orange	Silicone	0.002 in.	3.5 mil	9.0 MV	175%	30 lbs./in.
2285-5	Orange	Silicone	0.005 in.	6.5 mil	16.0 MV	200%	75 lbs./in.
2300-5R	Clear	Rubber	0.005 in.	7.0 mil	—	350%	40 lbs./in.
2300-10R	Clear	Rubber	0.010 in.	12.0 mil	—	400%	80 lbs./in.
2302-3R	Clear	Acrylic	0.003 in.	4.5 mil	—	300%	20 lbs./in.
2302-5R	Clear	Acrylic	0.005 in.	6.5 mil	—	350%	40 lbs./in.
2302-10R	Clear	Acrylic	0.010 in.	11.5 mil	—	425%	80 lbs./in.
2302-20R	Clear	Acrylic	0.020 in.	21.5 mil	—	500%	145 lbs./in.

**Important note to purchaser:** Values shown are typical and are not to be used for specifications. All data is subject to change without notice. Before using, the user should determine the suitability of the product for its intended use, and the user assumes all risk and liability in connection therewith. Specifications are also subject to change without notice.



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