

# 2302

## FILM-UHMW

Saint-Gobain Performance Plastics CHR® 2302 is manufactured from UHMW (Ultra High Molecular Weight) polyolefin film coated with acrylic adhesive.

### Typical Properties

Product Number	2302-3R	2302-5R	2302-10R	2302-20R
Backing Material	Film-UHMW	Film-UHMW	Film-UHMW	Film-UHMW
Adhesive Type	Acrylic	Acrylic	Acrylic	Acrylic
Total Thickness (in.)	.0045	.0065	.0115	.0215
Backing Thickness (in.)	.0030	.0050	.0100	.0200
Adhesive Thickness (in.)	.0015	.0015	.0015	.0015
Adhesion to Steel (oz./in.)	35	45	50	50
Tensile Strength (lbs./in.)	20	40	80	145
Dielectric Strength (volts)	N/A	N/A	N/A	N/A
Elongation (% at break)	300	350	425	500
Operating Temperature (°F)	-40 to 225	-40 to 225	-40 to 225	-40 to 225
Color	Natural	Natural	Natural	Natural

Values shown are typical. Certified test reports for writing specifications are available.

**Applications**—Saint-Gobain Performance Plastics 2302 can be used to provide an abrasion-resistant, anti-stick, anti-friction surface at temperatures up to 225°F. It is frequently used to line chutes and conveyors. The product is often applied to guide rails to reduce noise levels in glass bottling plants. This tape is also used to replace desk drawer bearings, and to provide silky smooth, friction free drawer movement.

**Features/Benefits**—Saint-Gobain Performance Plastics 2302 exhibits excellent abrasion resistance and a low coefficient of friction, making it an excellent protection for surfaces or bearings that experience heavy wear. It is more economical than PTFE tapes. The high-temperature, high-tack acrylic adhesive adheres readily to most dry, clean surfaces—firmly anchoring the product in place.

**Availability**—2302 is available in 3, 5, 10 and 20 mil thicknesses. Factory stock for 2302 is in master log form 36 yards by 12 inches for 3 mil and 36 yards by 24" for 5, 10, and 20 mil. Rolls can be slit in widths ranging from 1/4" to 12" for 3 mil and 1/4" to 24" for 5, 10 and 20 mil thicknesses. The product is supplied with a blue poly-film inter-liner, which protects the adhesive, facilitates die cutting, and peels off easily. Brown paper is also available as a custom product.

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