

UHMW TAPES



CURBELL PLASTICS, INC.

NATIONWIDE 1.888.CURBELL
www.curbellplastics.com





UHMW tapes consist of an ultra high molecular weight polyethylene film coated with a pressure sensitive acrylic or rubber adhesive. They are often used in applications that require good bearing and wear properties.

KEY CHARACTERISTICS OF ALL UHMW TAPES:

- Excellent abrasion resistance and wear characteristics
- Low coefficient of friction makes it very slick
- Non stick surface
- Moderate temperature range (-40°F-225°F)
- Adhesive back makes it easy to apply

2302 UHMW TAPE PERFORMANCE:

UNITS		2302-5R	2302-10R	2302-20R	2300
Backing material		Film-UHMW	Film-UHMW	Film-UHMW	Film-UHMW
Adhesive type		Acrylic	Acrylic	Acrylic	Rubber
Total thickness	inches	.0065	.0115	.0215	.01-.13
Backing thickness	inches	.0050	.0100	.0200	.005-.125
Adhesive thickness	inches	.0015	.0015	.0015	.005
Adhesion to steel	oz/in	45	50	50	-
Elongation	% at break	350	425	500	300
Operating temperature	°F	-40°-225°	-40°-225°	-40°-225°	-40°-120°
Break strength	lbs/in	40	80	145	-
Dielectric strength	volts	N/A	N/A	N/A	N/A
Color		Natural	Natural	Natural	Natural

Values shown are typical. Values may vary according to brand name. Please ask your Curbell Plastics representative for more specific information about an individual brand.

UHMW TAPE COMPARISON CHART:

MATERIAL	ABRASION RESISTANT	SLIPPERY SURFACE	NON-STICK	HIGH IMPACT	LOW IMPACT	LOW TEMP (UP TO 100°F)	MEDIUM TEMP (UP TO 300°F)	ONE-SIDED ADHESIVE	WITH LINER	COMMON THICKNESSES	54' ROLLS	108' ROLLS
2302 UHMW	X	X	X		X		acrylic adhesive	X	Blue poly	.005", .010"	X	X
2300 UHMW	X	X	X	X		rubber adhesive		X	White paper	.005" - .125"	X	X

Put us to work – for you!™

Curbell Plastics has been supplying plastic sheet, rod, tube, films, adhesives, sealants, tapes, prototyping and tooling materials, and fabricated parts for over 65 years

ALBANY 800.553.0335	CLEVELAND 800.223.2725	FLORIDA 888.388.3417	PHOENIX 800.227.7963	SYRACUSE 800.446.4624	TAPES & FABRICS 888.287.2355
ATLANTA 800.433.9756	COLORADO 866.319.8723	NEW ENGLAND 800.637.2763	PITTSBURGH 800.548.0650	VIRGINIA 888.349.8897	FILMS GROUP 888.287.2355
CINCINNATI 800.334.9699	DETROIT 800.354.4798	PHILA & NJ 800.831.2550	ROCHESTER 800.722.2140	WESTERN NY 800.544.1498	CORPORATE OFFICE 716.667.3377



NATIONWIDE 1.888.CURBELL
www.curbellplastics.com

©2009 Curbell Plastics, Inc. All other trademarks and service marks are property of their respective manufacturers. All statements, technical information and recommendations contained in this publication are presented in good faith, based upon tests believed to be reliable and practical field experience. The reader is cautioned, however, that Curbell Plastics, Inc. cannot guarantee the accuracy or completeness of this information, and it is the customer's responsibility to determine the suitability of specific products in any given application. UHMWTapes MAP0722A.XM.0309