

## Precision Brand Plastic Feeler Gauge Sets

Page 1 of 5



Plastic Feeler Gauges provide the following advantages  
Non-corrosive, Non conductive, Non sparking and Non scratching

Sets contain 13 x 1/2" wide blades

Sets supplied in 2 blade lengths

Set 77-178-905 Blade length 5"

Set 77-178-900 Blade length 12"

Each blade colour coded for size

Sizes:

Thickness Inch	Thickness Metric	Colour
0.0005	0.013	Silver
0.001	0.025	Amber
0.0015	0.038	Purple
0.002	0.051	Red
0.003	0.076	Green
0.004	0.102	Tan
0.005	0.127	Blue
0.0075	0.191	Matte
0.010	0.254	Brown
0.0125	0.318	Black
0.015	0.381	Pink
0.020	0.508	Yellow
0.025	0.635	White
0.030	0.762	Coral

## Typical Properties

Thickness Inch	Material	Tensile Strength PSI	Ultimate Elongation	Folding Endurance MIT /Cycles	Tear Strength Elmendorf	Moisture Absorption	Thickness Tolerance	Compression At 5,000 PSI
0.001	Polyester	30,000	90%	100,000	20 gm	0.08%	± 10%	1.0%
0.0015	Polyester	30,000	90%	100,000	20 gm	0.08%	± 10%	1.0%
0.002	Polyester	30,000	90%	100,000	20 gm	0.08%	± 10%	1.0%
0.003	Polyester	30,000	90%	100,000	20 gm	0.08%	± 10%	1.0%
0.004	Polyester	30,000	90%	100,000	20 gm	0.08%	± 10%	1.0%
0.005	Polyester	30,000	90%	100,000	20 gm	0.08%	± 10%	1.0%
0.0075	Vinyl	6,600	180%	37,000	-	0.15%	± 10%	0.7%
0.010	Vinyl	6,600	180%	37,000	-	0.15%	± 10%	0.7%
0.0125	Vinyl	6,600	180%	37,000	-	0.15%	± 10%	0.7%
0.015	Vinyl	6,600	180%	37,000	-	0.15%	± 10%	0.7%
0.020	Vinyl	6,600	180%	37,000	-	0.15%	± 10%	0.7%
0.025	Vinyl	6,600	180%	37,000	-	0.15%	± 10%	0.7%
0.030	Vinyl	6,600	180%	37,000	-	0.15%	± 10%	0.7%



**PRECISION  
BRAND**

Polyester

Common Name

Color Coded Shim Stock, Thickness Gage, Slotted Shim & Arbor Shims  
(0.0005" to 0.005" Thick) 42, 44 & 78

## Material Safety Data Sheet

Identity (Trade Name As Used On Label) and Product Code

Manufacturer Precision Brand Products Inc.	Phone Number (For Information) 630-969-7200
Address 2250 Curtiss Street Downers Grove IL 60515 USA	Emergency Phone Number Chemtrec 800-424-9300 USA & Canada 202-483-7616 International
Date Prepared 05-12-1999	Date Reviewed: 11-27-07

### SECTION 1 -- MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS--Chemical Name & Common Names (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	%	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Polyethylene terephthalate	100			
Non-Hazardous Ingredients				
<b>TOTAL</b>	100			

### SECTION 2 -- PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point	N/A	Specific Gravity (H <sub>2</sub> O = 1)	N/A
Vapor Pressure (mm Hg and Temperature)	N/A	Melting Point	256° C
Vapor Density (Air = 1)	N/A	Evaporation Rate (= 1)	N/A
Solubility in Water	Insoluble	Water Reactive	N/A
Appearance and Odor	Film, variable color		

### SECTION 3 -- FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method Used	N/A	Auto-Ignition Temperature	Flammability Limits in Air % by Volume	N/A	LEL	N/A	UEL	N/A
Extinguisher Media	Water fog, Carbon dioxide, or dry chemical							
Special Fire Fighting Procedures	Self contained breathing apparatus in close proximity of fire.							
Unusual Fire and Explosion Hazards	N/A							

### SECTION 4 -- REACTIVITY HAZARD DATA

<b>STABILITY</b> <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	Conditions To Avoid
Incompatibility (Materials to Avoid)	None
Hazardous Decomposition Products	Terephthalic acid, carbon monoxide, and aldehydes above 300° C
<b>HAZARDOUS POLYMERIZATION</b> <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur	Conditions To Avoid

## Precision Brand Plastic Feeler Gauge Sets

Page 3 of 5

## Material Safety Data Sheets

Precision Brand Products, Inc.

Page 2 – MSDS: Color Coded Shim Stock, Thickness Gage, Slotted Shim &amp; Arbor Shims (0.0005 to 0.005”), Product Codes 42, 44 &amp; 78

**SECTION 5 -- HEALTH HAZARD DATA**

<b>PRIMARY ROUTES OF ENTRY</b>	<input checked="" type="checkbox"/> Inhalation	<input type="checkbox"/> Ingestion	<b>CARCINOGEN LISTED IN</b>	<input type="checkbox"/> NTP	<input type="checkbox"/> OSHA
	<input type="checkbox"/> Skin Absorption	<input type="checkbox"/> Not Hazardous		<input type="checkbox"/> IARC Monograph	<input type="checkbox"/> Not Listed
<b>HEALTH HAZARDS</b>	Acute				
	Chronic deposits in eyes, ears, mucus membranes (particulate debris).				
Signs and Symptoms of Exposure					
Medical Conditions Generally Aggravated by Exposure					
<b>EMERGENCY FIRST AID PROCEDURES</b> -- Seek medical assistance for further treatment, observation and support if necessary.					
Eye Contact	N/A				
Skin Contact	N/A				
Inhalation	Suggest 10 mg/m <sup>3</sup> for inert or nuisance particulate. 1977 ACGIH TLV. When debris generated during fabrication.				
Ingestion	Biologically inert.				

**SECTION 6 -- CONTROL AND PROTECTIVE MEASURES**

Respiratory Protection (Specify Type)	MESA-NIOSH approved for nuisance particulate for dust generation.		
Protective Gloves	Work gloves to avoid cuts.	Eye Protection	Safety glassed side shields .
<b>VENTILATION TO BE USED</b>	<input checked="" type="checkbox"/> Local Exhaust When creating dust.	<input checked="" type="checkbox"/> Mechanical (general) General dilution.	<input checked="" type="checkbox"/> Special Maintain area below TLV.
Other Protective Clothing and Equipment	Some debris formed when fabricating. Wear goggles and ventilate .		
Hygienic Work Practices			

**SECTION 7-- PRECAUTIONS FOR SAFE HANDLING & USE/LEAK PROCEDURES**

Steps to be Taken If Material Is Spilled Or Released	Gather up and place in container.
Waste Disposal Methods	Sanitary landfill or high temperature incineration and afterburner in accordance with local, state, and federal pollution regulations.
Precautions to be Taken in Handling and Storage	Movement of film over metal will produce surface electrical charges. These should be reduced or eliminated since they provide a source of ignition for flammable vapors or gasses that may be present.
Other Precautions and/or Special Hazards	Film is resistant to initiation of tearing; hence normal safeguard is for operator to carry a sharp knife to initiate a cut.

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## Material Safety Data Sheet

Vinyl
Common Name
Color Coded Shim Stock, Thickness Gage, Slotted Shim & Arbor Shims (0.0075" to 0.060" THICKNESS) 42, 44 & 78
Identity (Trade Name As Used On Label) & Product Code

Manufacturer Precision Brand Products Inc.	Phone Number (For Information) 630-969-7200
Address 2250 Curtiss Street Downers Grove IL 60515 USA	Emergency Phone Number Chemtrec 800-424-9300 USA & Canada 202-483-7616 International
Date Prepared 05-12-1999	Date Reviewed: 11-27-2007

### SECTION 1 -- MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS--Chemical Name & Common Names (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	%	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Rigid Polyvinyl Chloride	100			
Non-Hazardous Ingredients				
<b>TOTAL</b>	100			

### SECTION 2 -- PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point	N/A	Specific Gravity (H <sub>2</sub> O = 1)	1.3-1.5
Vapor Pressure (mm Hg and Temperature)	N/A	Melting Point	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate (= 1)	N/A
Solubility in Water	Insoluble	Water Reactive	N/A
Appearance and Odor	Film, Clear and colors	Vicat Softening Temperature	176° F (80° C)

### SECTION 3 -- FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method Used	N/A	Auto-Ignition Temperature	Flammability Limits in Air % by Volume	LEL N/A	UEL N/A
Extinguisher Media	Water, Carbon Dioxide, Dry Chemical				
Special Fire Fighting Procedures	Self Extinguishing				
Unusual Fire and Explosion Hazards	N/A				

### SECTION 4 -- REACTIVITY HAZARD DATA

<b>STABILITY</b> <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	Conditions To Avoid	None
Incompatibility (Materials to Avoid)	None	
Hazardous Decomposition Products	HCL, CO, CO <sub>2</sub> , (above 570° F)	
<b>HAZARDOUS POLYMERIZATION</b> <input checked="" type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur	Conditions To Avoid	High heat

Precision Brand Products, Inc.

Page 2: MSDS – Color Coded Shim Stock, Thickness Gage, Slotted Shim & Arbor Shims (0.0075" & up)

Product Codes 42, 44 & 78

**SECTION 5 -- HEALTH HAZARD DATA**

<b>PRIMARY ROUTES OF ENTRY</b>		<input type="checkbox"/> Inhalation	<input type="checkbox"/> Ingestion	<b>CARCINOGEN LISTED IN</b>	<input type="checkbox"/> NTP	<input type="checkbox"/> OSHA
		<input type="checkbox"/> Skin Absorption	<input type="checkbox"/> Not Hazardous		<input type="checkbox"/> IARC Monograph	<input type="checkbox"/> Not Listed
<b>HEALTH</b>	Acute	N/A				
<b>HAZARDS</b>	Chronic	N/A				
Signs and Symptoms of Exposure						
Medical Conditions Generally Aggravated by Exposure						
<b>EMERGENCY FIRST AID PROCEDURES</b> -- Seek medical assistance for further treatment, observation and support if necessary.						
Eye Contact	N/A					
Skin Contact	None					
Inhalation	None					
Ingestion	N/A					

**SECTION 6 -- CONTROL AND PROTECTIVE MEASURES**

Respiratory Protection (Specify Type)	None					
Protective Gloves	None		Eye Protection	None		
<b>VENTILATION TO BE USED</b>	<input type="checkbox"/> Local Exhaust		<input type="checkbox"/> Mechanical (general)		<input type="checkbox"/> Special	
Other Protective Clothing and Equipment						
Hygienic Work Practices						

**SECTION 7-- PRECAUTIONS FOR SAFE HANDLING & USE/LEAK PROCEDURES**

Steps to be Taken If Material Is Spilled Or Released	None					
Waste Disposal Methods	Landfill					
Precautions to be Taken in Handling and Storage	None					
Other Precautions and/or Special Hazards						

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