

Precision Brand Plastic Feeler Gauge Sets

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

Sets contain 13 x ½” 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%

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Material Safety Data Sheets


**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				
TOTAL	100			

SECTION 2 -- PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point	N/A	Specific Gravity (H ₂ 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

STABILITY	☒ Stable ☐ Unstable	Conditions To Avoid	
Incompatibility (Materials to Avoid)	None		
Hazardous Decomposition Products	Terephthalic acid, carbon monoxide, and aldehydes above 300° C		
HAZARDOUS POLYMERIZATION	☐ May Occur ☒ Will Not Occur	Conditions To Avoid	

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Material Safety Data Sheets

Precision Brand Products, Inc.

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

SECTION 5 -- HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY ☒ Inhalation ☐ Ingestion ☐ Skin Absorption ☐ Not Hazardous		CARCINOGEN LISTED IN ☐ NTP ☐ IARC Monograph ☐ OSHA ☐ Not Listed
HEALTH	Acute	
HAZARDS	Chronic deposits in eyes, ears, mucus membranes (particulate debris).	
Signs and Symptoms of Exposure		
Medical Conditions Generally Aggravated by Exposure		
EMERGENCY FIRST AID PROCEDURES -- Seek medical assistance for further treatment, observation and support if necessary.		
Eye Contact	N/A	
Skin Contact	N/A	
Inhalation	Suggest 10 mg/m ³ 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 .
VENTILATION TO BE USED	☒ Local Exhaust When creating dust.	☒ Mechanical (general) General dilution.	☒ 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 Sheets



**PRECISION
BRAND**

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				
TOTAL	100			

SECTION 2 -- PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point	N/A	Specific Gravity (H ₂ 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

STABILITY ☒ Stable ☐ Unstable	Conditions To Avoid	None
Incompatibility (Materials to Avoid)	None	
Hazardous Decomposition Products	HCL, CO, CO ₂ , (above 570° F)	
HAZARDOUS POLYMERIZATION ☒ May Occur ☒ Will Not Occur	Conditions To Avoid	High heat

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Material Safety Data Sheets

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

PRIMARY ROUTES OF ENTRY	☐ Inhalation	☐ Ingestion	CARCINOGEN LISTED IN	☐ NTP	☐ OSHA
	☐ Skin Absorption	☐ Not Hazardous		☐ IARC Monograph	☐ Not Listed
HEALTH	Acute N/A				
HAZARDS	Chronic N/A				
Signs and Symptoms of Exposure					
Medical Conditions Generally Aggravated by Exposure					
EMERGENCY FIRST AID PROCEDURES -- 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
VENTILATION TO BE USED	☐ Local Exhaust	☐ Mechanical (general)	☐ 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	

NOTE: The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, Precision Brand Products, Inc. makes no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for a particular period. Accordingly, Precision Brand Products, Inc. will not be responsible for damages of any kind resulting from the use of or reliance upon such information. NO REPRESENTATIONS, OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER NATURE ARE MADE HEREUNDER TO WHICH THE INFORMATION REFERS. The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment.