



ISO 9001 Registered Quality System,  
Burlington, Ontario, Canada QMI File # 804008

## Premium 3D Printer Filaments – ABS

ABS

### Benefits & Features

- 1.75mm and 3.0mm diameters
- Vivid colors
- Low Diameter variance
- Colors as unique as Skin, Gold, Silver, Glow In The Dark, etc.

Properties	Test Method	Test Condition	Unit Condition	PA-757
Tensile Strength	ASTM D638	3mm, 6mm/min	Kg / cm <sup>2</sup>	460
Tensile Elongation	ASTM D638	3mm, 6mm/min	%	25
Flexural Strength	ASTM D790	6mm, 2.8mm/min	Kg / cm <sup>2</sup>	790
Flexural Modulus	ASTM D790	6mm, 2.8mm/min	Kg / cm <sup>2</sup>	27000
Izod Impact Strength	ASTM D256 (Notched)	6mm, 23°C 3mm, 23°C	Kg-cm/cm	18 21
Melt Flow Index	ASTM D1238	200°C. 5Kg 220°C. 5Kg	g/10min	1.6 22
Suggested Printing Temperature	In House	-	225°C - 235°C	-
Hardness	ASTM D785	-	R Scale	116
Specific Gravity	ASTM D792	23°C	-	1.05
Vicat Softening Temp.	ASTM D1525	3mm, 50°C /hr	°C	105
Heat Distortion Temp.	ASTM D648	Annealed Unannealed	°C	95 85
Flammability	UL 94	-	-	1.6mm,HB

Quality Control		
Diameter Tolerance	1.75mm: 1.7+/-0.1mm	3.0mm: 2.95+/-0.1mm
Round Tolerance	+/-0.05mm	

## Technical Support

Contact us regarding any questions, improvement suggestions, or problems with this product. Application notes, instructions, and FAQs are located at [www.mgchemicals.com](http://www.mgchemicals.com).

Email: [support@mgchemicals.com](mailto:support@mgchemicals.com)

Phone: 1-800-340-0772 Ext. 1030 (Canada, Mexico & USA)

1-905-331-1396 Ext. 1030 (International)

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## Shelf Life and Storage

- For best results use within three months after opening package.
- Store in air tight bag with desiccant when not in use.
- Store in a cool, dry non humid area.

## Warranty

M.G. Chemicals Ltd. warrants this product for 90 days from the date of purchase by the end user. M.G. Chemicals Ltd. makes no claims as to shelf life of this product for the warranty. The liability of M.G. Chemicals Ltd. whether based on its warranty, contracts, or otherwise shall in no case include incidental or consequential damage.

## Disclaimer

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