

# TECHNICAL PLASTIC AND METAL PARTS

Gear wheel  
104

Code	Description	Price euro/1000	% Price Change	Package	A	B	C	D	E	F	gr
			1 2								
104 0048 000 05	MP 104-48	14.311,00	+ 60%	-	1	1.5	35	10	24	12	23

Colour	Colour number
transparent - natural	000 (XXX XXXX XXX XX)
<b>Colour description</b>	transparent - natural
<b>Matches</b>	Natural matches Milk-like; transparent white colour can differ per kind of material.
Featured colours reserved. Due to the screen, differences in colour may occur.	

Material		Material nr	
Polyoxymethylene (POM) POM		05 (XXX XXXX XXX XX)	
<b>General informations:</b>			
Strong durable material, suitable for flexible connection elements and numerous other technical products. Resembles nylon, yet the taking in of moisture is less than 0,5%, so a higher dimensional stability is reached and is very well insulating electrically. Suitable for suspending clamps, bearings, gear-wheels etc. POM can be glued.			
<b>Features</b>		<b>Chemical resistance</b>	
feature	DIN	Resistance to	Valutation
Relative density gr/cm <sup>3</sup>	1,42	Petrol	A
Tensile strength MN/m <sup>2</sup>	75	Benzene	A
Elongation at break %	65	Mineral oils	A
Tensile modulus MN/m <sup>2</sup>	3000	Vegetable oils	A
Notched impact strength kJ/m <sup>2</sup>	8.5	Weak alkalis	A
Ball indentation MN/m <sup>2</sup>	140	Strong alkalis	B
Application temperature max °C	100	Weak acids	-
Volume resistivity cm	10^15	Strong acids	C
Dissapation factor tan. 10 <sup>3</sup> Hz	0,025	<b>A = good</b>	
Dielectric strength MV/m	70	<b>B = doubtful</b>	
Flammability UL94 > 1,6 mm	HB	<b>C = poor</b>	
Coefficient of friction (on steel)	0,25		
<b>All data are indicative</b>			

Technical informations are indicative and can be updated.

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