

**HP502N**

POLYPROPYLENE HOMOPOLYMER



REVIEW 01 – JAN/08

**Description:** HP502N is a medium fluidity homopolymer.

**PROCESS AND TYPICAL APPLICATIONS**

Injection Molding of furnitures, caps, closures, etc.

**FOOD CONTACT**

HP502N complies Food and Drug Administration (FDA) requirements for food contacting articles, Code of Federal Regulation Title 21 CFR 177.1520.

PROPERTIES	NOMINAL VALUES <sup>(*)</sup>	ASTM TEST METHOD
<b>PHYSICAL</b>		
Melt Flow Index (230°C/2,16kg)	11,0 g/10min.	D-1238
Density (23°C)	0,905 g/cm <sup>3</sup>	D-792
<b>MECHANICAL</b>		
Tensile Strength @Yield (50mm/min.)	35 MPa	D-638
Elongation @ Yield (50mm/min.)	9 %	D-638
Flexural Modulus (1,3mm/min.)	1465 MPa	D-790
Notched Izod Impact Strength @ 23°C	30 J/m	D-256
Hardness Shore D (1s)	73	D-2240
<b>THERMAL</b>		
Vicat Softening Temperature (10N/Rate A)	151°C	D-1525
Heat Distortion Temperature (0,45MPa)	86°C	D-648

(\*) Values above the data obtained in our laboratories, according to the test method mentioned and conditions established by standard specification ASTM D-4101. The values shown are averages and are not to be considered as product specifications. These values may shift slightly as additional data are accumulated.

**Final Considerations:**

The Quattor reserves the right at any time to stop the production and alter the properties of this product.

The information contained in this document and any suggestions and recommendations concerning application of our products, based on the best of our knowledge, and can not be taken as a guarantee of Quattor, since the conditions for use of the final products are out of our control.

This document does not constitute a guarantee, express or implied, including a warranty of merchantability or fitness for a particular purpose.

For information on handling, security, individual protection, first aid, please consult the MSDS (Material Safety Data Sheets ) available on the site.