

Description: HP550K is a medium fluidity homopolymer with low water carry over.

PROCESS AND TYPICAL APPLICATIONS

Production of Raffia (Flat Yarn) by Flat Die Extrusion (Water Quenched or Chill Roll), Injection Molding of thick parts, caps, closures, etc.

PROPERTIES	NOMINAL VALUES ^(*)	UNITS	ASTM TEST METHOD
PHYSICAL			
Melt Flow Index (230°C/2,16kg)	3,5	g/10min	D-1238
Density (23°C)	0,905	g/cm ³	D-792
MECHANICAL			
Tensile Strength @ Yield (50mm/min.)	36	MPa	D-638
Elongation @ Yield (50mm/min.)	9	%	D-638
Flexural Modulus (1,3mm/min.)	1550	MPa	D-790
Notched Izod Impact Strength @ 23°C	45	J/m	D-256
Hardness Shore D (1s)	73	-	D-2240
THERMAL			
Vicat Softening Temperature (10N/Rate A)	155	°C	D-1525
Heat Distortion Temperature (0,45MPa)	91	°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 Remarks:

- Quattor reserves the right at any time to stop the production and modify the properties of this product.
- All this information as well as any suggestions and recommendations concerning our products application, are based on the best of our knowledge, and cannot be taken as a guarantee of Quattor, since the conditions for use of the final products are not Quattor's responsibility.
- This document cannot be considered as a warranty, express or implied, including a warranty of commercialization or adjustment for a specific purpose.
- This resin components are in the positive lists of Resolution 105/99 and Resolution RDC 17/08 published by ANVISA, which contains all the resolutions for plastic material in contact with food approved by GMC (Common Market Group), of Mercosul. This resin also attends the regulation 21 CFR, Section 177.1520 (a) (1) (i) and (c)1.1a from FDA (Food and Drug Administration) from The United States of America. Additional tests can be necessary in the final product. For any specific information, contact Quattor's Technical Department.
- Quattor is not responsible for the addition, by third parties, of additives or other substances in the resins which contains metals or oxy-degradations promoters, considering that it causes loss of the performance of resin described in this document. The use of such substances can implicate in the approval of the package destined to the contact with food and also contaminate the environment when they are discarded in landfills or not appropriated sites.
- For information about handling, security, individual protection, first aids, please check the [MSDS \(Material Safety Data Sheets\)](#) available on the website.