PH 4040

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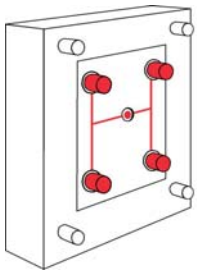
POLYPROPYLENE HOMOPOLYMER

Suitable for injection molding and the coating of raffia. It has very good process stability for both process. and great compatibility with the fabric in raffia cloth coating. In Injection molding is recommended for thin- walled items.

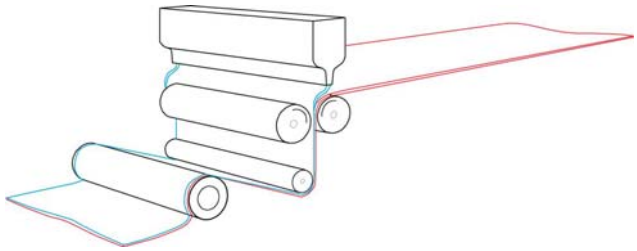
APPLICATIONS

INJECTION



Containers for foodstuffs, cosmetics and hygiene.
Video and DVD boxes.
Toys

COATING



Coating or laminating of Raffia fabrics.

PROCESSING RECOMMENDATIONS

INJECTION

Feeding	160° C
Screw	180 to 210° C
Mold	20 to 60° C

COATING

Screw	210 to 250° C
Matrix	270° C

PROPERTIES	ASTM TEST METHOD	UNITS	VALUE
Melt Flow Rate (2,16 kg/230 ºC)	D-1238/95	g/10 min	40
VICAT Softening Point (1 kg)	D-1525/97	ºC	152
Heat Deflection Temperature – HDT (455 kPa)	D-648/97	ºC	90
IZOD Impact Test (23 ºC)	D-256/93	J/m	20
Tensile Strength at Yield Point	D-638/97	MPa	34
Elongation at Yield Point	D-638/97	%	6
Flexural Modulus	D-790/97	MPa	1.400

Edition: 01
Revised: Nov/2005

SPECIAL CONSIDERATIONS

This polymer meets the FDA (Food and Drug Administration) specifications, in accordance with the Code of Regulation Title 21, Part 177-1520. Therefore, it can be used in packaging that has contact with foodstuffs. The respective FDA certificates for each product are available on www.petroquim.cl .

The above data corresponds to typical values measured in our laboratory, and should be understood to be only a guide in the selection and processing of the resin. For this reason, before using any material produced by Petroquim S.A, it is recommended that each user carry out, with the support of our specialized technicians, the necessary tests to determine if this product is suitable for the intended use.

The users should also make sure that they can use the Petroquim products with the legal and security measures required (the Security Specifications are available on our web site www.petroquim.cl)

Petroquim S.A. denies all responsibility arising from the direct or indirect misuse of this information.

These values may be modified without prior notice.

This version annuls and replaces all previous editions.

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