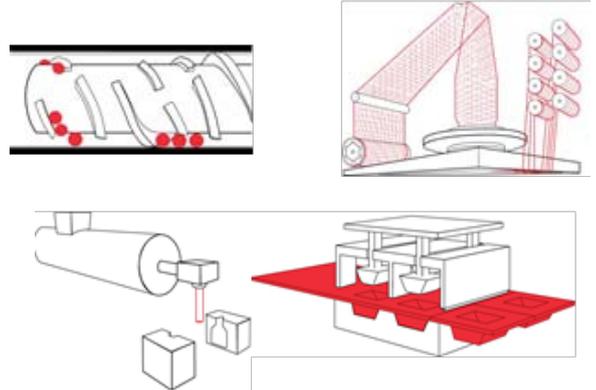


PROCESS: EXTRUSION

Suitable for general extrusion processes, raffia, blowing and thermoforming. It is easily processable and productivity is good, has good stiffness/impact and tenacity/elongation ratios, and is also highly resistant to melting.

Applications: Flat and corrugated sheets, straps, ropes, big bags, tubular raffia, bottles for cosmetics, hygiene and cleaning products. Bottles for non-carbonated water and food. Glasses, trays and pots.



PROCESSING RECOMMENDATIONS

GENERAL EXTRUSION

Feed	200 °C
Screw	220 to 230 °C
Bolster	230 °C

RAFFIA EXTRUSION

Tubular Process :	
Feed	190 °C
Screw	220 to 250 °C
Bolster	245 °C

BLOWING

Feed	170 °C
Screw	180 to 210 °C
Bolster	200 °C

THERMOFORMING

Feed	200 °C
Screw	200 to 230 °C
Bolster	220 °C

PROPERTIES

TYPICAL PROPERTIES	ASTM TEST METHOD	UNITS	VALUE
Melt Flow Index 2.16 kg/230 °C	D-1238/95	g/10 min	1.7
VICAT Softening Point (1 kg)	D-1525/97	°C	154
Heat Deflection Temperature – HDT (455 kPa)	D-648/97	°C	87
IZOD Impact Strength Test at 23 °C	D-256/93	J/m	90
Tensile Strength (at yield point)	D-638/97	MPa	35
Elongation (at yield point)	D-638/97	%	12
Flexural Modulus	D-790/97	MPa	1,500

The density of all grades of polypropylene produced by Petroquim S.A. is in the range of 0.905 +/- 0.005 g/cc.

SPECIAL CONSIDERATIONS:

1. This polymer meets the FDA (Food and Drug Administration) specifications in accordance with the Code of Federal Regulations Title 21, Part 177-1520. Therefore, it may be used in packaging that comes in contact with food. The respective FDA certificates for each product are available at www.petroquim.cl. This polymer is also in compliance with EU Regulation 10/2011 and Mercosur Regulation GMC-RES. 50/01.
2. The above data correspond 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 conduct, with the support of our specialized technicians, the necessary tests to determine whether the product is suitable for the intended use.
3. Users must also ensure that they can use Petroquim's product as required by law and safely (the safety data sheet can be found at www.petroquim.cl).
4. Petroquim S.A. disclaims any liability that may arise from any misuse of this information, either directly or indirectly.
5. The above values may be changed without prior notice.
6. This version voids and supersedes previous versions.

REVISED: Jan/2013