

# REPRO

## PBT RG6

### Injection moulding

PROPERTY	VALUE	UNIT	STANDARD
<b>Density</b>	1,52	g/cm <sup>3</sup>	ISO 1183
<b>MFI 230°C/2,16 kg</b>	MV*	g/10 min	ISO 1133
<b>Flexural modulus at +23°C</b>	7800	N/mm <sup>2</sup>	ISO 178
<b>Flexural Strength</b>	178	N/mm <sup>2</sup>	ISO 178
<b>Tensile Strength</b>	150	N/mm <sup>2</sup>	ISO/R 527
<b>Elongation at break</b>	-	%	ISO/R 527
<b>Elongation at yeild</b>	-	%	ISO/R 527
<b>Impact Strength</b>			
notched Charpy at +23°C	5	kJ/m <sup>2</sup>	ISO 179
notched Charpy at -20°C	5	kJ/m <sup>2</sup>	ISO 179
unnotched Charpy at +23°C	-	kJ/m <sup>2</sup>	ISO 179
unnotched Charpy at -20°C	-	kJ/m <sup>2</sup>	ISO 179
<b>Filling content</b>	30	±2%	Rondo
<b>Heat distortion temp.</b>			
HDT 120°C/h at 455 kPa B	220	°C	ISO 75-1
HDT 120°C/h at 1820 kPa A	210	°C	ISO 75-1
<b>Softening temp.</b>			
Vicat 50°C/h at 9,81 N A	-	°C	ISO 306
Vicat 50°C/h at 49,05 N B	215	°C	ISO 306
<b>Flammability</b>			
GWT at 2 mm	750	°C	IEC 695-2-1
UL94 at 1,6 mm	HB	°C	UL 94
<b>Mould Shrinkage</b>			
With flow	0,3	%	ISO 2577
Across flow	1,2	%	ISO 2577

\* Medium Viscosity

Stated values in this datasheet are approximate. All information, recommendations and advice given by Rondo Plast AB or any of its subsidiaries and affiliates, written or verbal, are according to Rondo Plast AB's knowledge to the date of this edition, correct and given in good faith. It is the responsibility of the customer to test and evaluate if the material suits the application and the environment in which it is intended to be used. Rondo Plast AB, its subsidiaries and affiliates can not be held responsible or liable for any loss incurred through incorrect or faulty use of the products. Rondo Plast AB takes no responsibility for any printing errors.

Version: 1/160926

RondoPlast AB, Blygatan 6, Box 97, 271 21 Ystad, Sweden  
 Tel: +46 411-723 90, Fax: +46 411-723 71 Email: rondo@rondoplast.se  
 www.rondoplast.se