

# REPRO

## TPE R251S

### Injection moulding

PROPERTY	VALUE	UNIT	STANDARD
Density	0,95	g/cm <sup>3</sup>	ISO 1183
MFI 230°C/2,16 kg	7-13	g/10 min	ISO 1133
Flexural modulus at +23°C	900-1500	N/mm <sup>2</sup>	ISO 178
Flexural Strength	-	N/mm <sup>2</sup>	ISO 178
Tensile Strength	-	N/mm <sup>2</sup>	ISO/R 527
Elongation at break	-	%	ISO/R 527
Elongation at yeild	-	%	ISO/R 527
Impact Strength			
notched Charpy at +23°C	20-35	kJ/m <sup>2</sup>	ISO 179
notched Charpy at -20°C	7-13	kJ/m <sup>2</sup>	ISO 179
notched Charpy at -30°C	3-6	kJ/m <sup>2</sup>	ISO 179
unnotched Charpy at +23°C	NB	kJ/m <sup>2</sup>	ISO 179
unnotched Charpy at -20°C	NB	kJ/m <sup>2</sup>	ISO 179
unnotched Charpy at -30°C	>40	kJ/m <sup>2</sup>	ISO 179
Filling content	7	±2%	Rondo
Heat distortion temp.			
HDT 120°C/h at 455 kPa B	-	°C	ISO 75-1
HDT 120°C/h at 1820 kPa A	-	°C	ISO 75-1
Softening temp.			
Vicat 50°C/h at 9,81 N A	-	°C	ISO 306
Vicat 50°C/h at 49,05 N B	-	°C	ISO 306
Burn rate	-	mm/min	FMVSS 302
GWT at 2 mm	650	°C	IEC 695-2-1
UL94 at 1,6 mm	HB	°C	UL 94
Shore A	-	°	ISO 868
Shore D	56	°	ISO 868
Shrinkage (with flow)	1,1-1,5	%	ISO 2577
Shrinkage (across flow)	1,1-1,5	%	ISO 2577

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: 1/160331