

REPRO

TPE R251S

Injection moulding

PROPERTY	VALUE	UNIT	STANDARD
Density MFI 230°C/2,16 kg	0,95 7-13	g/cm ³ g/10 min	ISO 1183 ISO 1133
Flexural modulus at +23°C	900-1500	N/mm ²	ISO 178
Flexural Strength	-	N/mm ²	ISO 178
Tensile Strength	-	N/mm ²	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 ²	ISO 179
notched Charpy at -20°C	7-13	kJ/m ²	ISO 179
notched Charpy at -30°C	3-6	kJ/m ²	ISO 179
unnotched Charpy at +23°C	NB	kJ/m ²	ISO 179
unnotched Charpy at -20°C	NB	kJ/m ²	ISO 179
unnotched Charpy at -30°C	>40	kJ/m ²	ISO 179
Filling content	7	±2%	Rondo
Heat distortion temp.			
HDT 120°C/h at 455 kPa	B	-	°C
HDT 120°C/h at 1820 kPa	A	-	°C
Softening temp.			
Vicat 50°C/h at 9,81 N	A	-	°C
Vicat 50°C/h at 49,05 N	B	-	°C
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

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Version: 1/160331