

REPRO

PA6 RF6 Injection moulding

PROPERTY		VALUE	UNIT	STANDARD
Density		1,36	g/cm ³	ISO 1183
MFI		-		
Flexural modulus at +23°C		8400	MPa	ISO 178
Flexural Strength		220	MPa	ISO 178
Tensile Strength		140	MPa	ISO/R 527
Elongation at break		3	%	ISO/R 527
Elongation at yeild		-	%	ISO/R 527
Impact Strength				
notched Charpy at +23°C		9	kJ/m ²	ISO 179
notched Charpy at -20°C		6	kJ/m ²	ISO 179
unnotched Charpy at +23°C		-	kJ/m ²	ISO 179
unnotched Charpy at -20°C		-	kJ/m ²	ISO 179
Filling content		30	±2%	Rondo
Heat distortion temp.				
HDT 120°C/h at 455 kPa	B	215	°C	ISO 75-1
HDT 120°C/h at 1820 kPa	A	200	°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	>190	°C	ISO 306
Burn rate		-	mm/min	FMVSS 302
GWT at 2 mm		-	°C	IEC 695-2-1
UL94 at 1,6 mm		HB	°C	UL 94
Shore A		-	°	ISO 868
Shore D		-	°	ISO 868
Shrinkage (with flow)		0,3	%	ISO 2577
Shrinkage (across flow)		0,9	%	ISO 2577

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