Technical Data Sheet

ROTEC® ABS TS 20

ROMIRA
ENGINEERING POLYMERS

Injection moulding and extrusion grade, very high temperature resistance

Properties	*Unit*	*Test Method*	*Test Condition*	**Value***	**Remarks**
Mechanical.....					
Tensile Modulus	MPa	ISO 527	23℃ 1 mm/min	2,500	
Tensile Strength	MPa	ISO 527	23℃ 50 mm/min	42	
Elongation at Break	%	ISO 527	23℃ 50 mm/min	12	
Flexural Modulus	MPa	ISO 178	23℃ 2 mm/min	2,600	
Flexural Strength	MPa	ISO 178	23℃ 2 mm/min	70	
Impact Strength Notched (Charpy)	kJ/m²	ISO 179 1eA	80 x 10 x 4 mm 23℃	15	
Impact Strength (Charpy)	kJ/m²	ISO 179 1eU	80 x 10 x 4 mm 23℃	n.b.	
Physical.....					
Density	g/cm³	ISO 1183	23℃, 50% RH	1.04	
Water Absorption	%	ISO 62	23℃, 24 h	0.3	
Thermal.....					
Vicat Softening Temperature (B 50)	℃	ISO 306	50℃/h 50 N	108	
Melt Flow Rate MFR	g/10 min	ISO 1133	220℃ 10 kg	9	
Thermal Conductivity	W/(K·m)	DIN 52612		0.18	
Linear Thermal Expansion	$10^{-4} \cdot K^{-1}$	ISO 11359-2	23℃ - 55℃	0.85	
Moulding Shrinkage	%	ISO 294-4	23℃	0.5 - 0.7	
Flammability (own test)	Class	UL 94	1.5 mm	HB	

* = Average figures which could vary with each production batch due to addition of pigments, antistatic agents, slip agents, light stabilizers or other additives.

The information submitted is based on our current knowledge and experience. In view of the many factors that may affect processing and application, these data do not relieve processors from the responsibility of carrying out their own tests and experiments; neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.

ROMIRA GMBH **Siemensstraße 1-3 D-25421 Pinneberg**
Tel.: +49(0)41 01 / 706-03 Fax: +49(0)41 01 / 706-300 www.romira.de info@romira.de

21.11.2007