

Technical Data Sheet



ROTEC® ASA T 115/04

ASA, extrusion and injection moulding grade, high heat resistance, very good UV- and weathering stability

Properties	Test Unit	Test Method	Test Condition	Value*	Remarks
Mechanical					
Tensile Modulus	MPa	DIN EN ISO 527	1 mm/min 23 °C	2,700	
Tensile Strength	MPa	DIN EN ISO 527	50 mm/min 23 °C	50	
Elongation at Break	%	DIN EN ISO 527	50 mm/min 23 °C	30	
Flexural Modulus	MPa	DIN EN ISO 178	2 mm/min 23 °C	2,500	
Flexural Strength	MPa	DIN EN ISO 178	2 mm/min 23 °C	80	
Notched Impact Strength (Charpy)	kJ/m ²	ISO 179 1eA	80 x 10 x 4 mm 23 °C/-30 °C	12 / -	
Impact Strength (Charpy)	kJ/m ²	ISO 179 1eU	80 x 10 x 4 mm 23 °C/-30 °C	n.B. / -	
Physical.....					
Density	g/cm ³	DIN EN ISO 1183	23 °C, 50% RH	1.06	
Water Absorption	%	DIN EN ISO 62	23 °C, 24 h	0.3	
Thermal.....					
Heat Distortion Temperature HDT A	°C	DIN EN ISO 75	1.8 MPa	97	
Vicat Softening Temperature B 50	°C	DIN EN ISO 306	50 °C/h 50N	107	
Melt Flow Rate, MFR	g/10 min	DIN EN ISO 1133	220 °C, 10kg	7	
Thermal conductivity	W(m .k)	DIN 52612		0.17	
Thermal Coefficient of Linear Expansion	10 ⁻⁴ .K ⁻¹	ISO 11359-2	23- 55 °C	0.85	
Shrinkage	%	DIN EN ISO 294-4		0.4-0.6	
Flammability	class	UL-94	1.5 mm	HB	

* = These are average figures, which could vary in each production batch due to addition of pigments, antistatica, slip, uv stabilizer or other.

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
Telephone No.: + 49 / 41 01 / 706 - 03 Telefax No.: + 49 / 41 01 / 706 - 300