

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.

ROMIRA GMBH