Technical Data Sheet

ROTEC® SAS U 359

Extrusion and injection moulding grade, excellent weathering resistance

Properties	*Unit*	*Test Method*	*Test Condition*	**Value***
Mechanical				
Tensile Modulus	MPa	DIN EN ISO 527	23℃ 1 mm/min	2,050
Tensile Strength	MPa	DIN EN ISO 527	23℃ 5 mm/min	45
Elongation at Break	%	DIN EN ISO 527	23℃ 5 mm/min	50
Flexural Modulus	MPa	DIN EN ISO 178	23℃ 2 mm/min	1,900
Flexural Strength	MPa	DIN EN ISO 178	23℃ 2 mm/min	60
Notched Impact Strength (Charpy)	kJ/m²	DIN EN ISO 179/1eA	80 x 10 x 4 mm 23℃ / -30℃	12 / 5
Impact Strength (Charpy)	kJ/m²	DIN EN ISO 179/1eU	80 x 10 x 4 mm 23℃ / -30℃	n.b. / 60
Physical				
Density	g/cm^3	DIN EN ISO 1183	23℃, 50% RH	1.13
Water Absorption	%	DIN EN ISO 62	23℃, 24 h	0.3
Thermal				
Vicat Softening Temperature B 50	℃	DIN EN ISO 306	50 N 50℃/h	88
Melt Mass Flow Rate (MFR)	g/10 min	DIN EN ISO 1133	220℃, 10 kg	5.5
Thermal Coefficient of Linear Expansion	$10^{-4} \cdot K^{-1}$	ISO 11359-2	23℃ - 55℃	-
Processing Shrinkage	%	DIN EN ISO 294-4	23℃	0.65 - 0.75
Flammability (own testing)	--	UL94	1.6 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