Technical Data Sheet

Luranyl® HT 190

PPE/PA-Blend, high heat resistance

Properties	*Unit*	*Test Method*	*Test Condition*	**Value***
Mechanical				
Tensile Modulus	MPa	DIN EN ISO 527	23°C 1 mm/min	2,050
Tensile Strength	MPa	DIN EN ISO 527	23°C 50 mm/min	50
Elongation at Break	%	DIN EN ISO 527	23°C 50 mm/min	90
Flexural Modulus	MPa	DIN EN ISO 178	23°C 2 mm/min	-
Flexural Strength	MPa	DIN EN ISO 178	23°C 2 mm/min	-
Notched Impact Strength (Charpy)	kJ/m²	DIN EN ISO 179/1eA	80 x 10 x 4 mm 23°C / -30°C	45 / 12
Impact Strength (Charpy)	kJ/m²	DIN EN ISO 179/1eU	80 x 10 x 4 mm 23°C / -30°C	n.b. / n.b.
Physical				
Density	g/cm³	DIN EN ISO 1183	23°C, 50% RH	1.05
Water Absorption	%	DIN EN ISO 62	23°C, 24 h	0.4
Thermal				
Heat Distortion Temperature A	°C	DIN EN ISO 75/1	1.8 MPa	120
Vicat Softening Temperature B 50	°C	DIN EN ISO 306	50 N 50°C/h	180
Melt Mass Flow Rate (MFR)	g/10 min	DIN EN ISO 1133	280°C, 5 kg	20
Thermal Coefficient of Linear Expansion	$10^{-4} \cdot K^{-1}$	ISO 11359-2	23°C - 80°C	0.95
Processing Shrinkage	%	DIN EN ISO 294-4	23°C 3.2 mm	0.9 - 1.1
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