TECHNICAL DATA SHEET
LURANYL® HT 220 G6

PPE/PA, injection moulding grade, 30% glass fibre reinforced, impact-resistant, high heat resistance

PROPERTY	Test Method	Condition	Unit	Value*
MECHANICAL.....				
Tensile Modulus	DIN EN ISO 527	1 mm/min 23 °C	MPa	8,400
Tensile Strength	DIN EN ISO 527	5 mm/min 23 °C	MPa	140
Elongation at Break	DIN EN ISO 527	5 mm/min 23 °C	%	8
Flexural Modulus	DIN EN ISO 178	2 mm/min 23 °C	MPa	6,400
Flexural Strength	DIN EN ISO 178	2 mm/min 23 °C	MPa	200
Notched Impact Strength (Charpy)	DIN EN ISO 179/1eA	80 x 10 x 4 mm 23 °C	kJ/m²	10
Notched Impact Strength (Charpy)	DIN EN ISO 179/1eA	80 x 10 x 4 mm -30 °C	kJ/m²	7
Impact Strength (Charpy)	DIN EN ISO 179/1eU	80 x 10 x 4 mm 23 °C	kJ/m²	70
Impact Strength (Charpy)	DIN EN ISO 179/1eU	80 x 10 x 4 mm -30 °C	kJ/m²	60
PHYSICAL.....				
Density	DIN EN ISO 1183	23 °C, 50 % RH	g/cm³	1.32
Water Absorption	DIN EN ISO 62	23 °C, 50 % RH, 24 h	%	0.5
THERMAL.....				
Heat deflection temperature (HDT/A)	DIN EN ISO 75-1	1,8 MPa	°C	210
Vicat Softening Temperature (B 50)	DIN EN ISO 306	50 N, 50 °C/h	°C	220
Melt Volume-Flow Rate (MVR)	DIN EN ISO 1133	280 °C, 5 kg	cm³/10 min	25
Thermal Coefficient of Linear Expansion	ISO 11359-2	23 °C - 80 °C	$10^{4} \cdot K^{-1}$	0.25
Processing Shrinkage	DIN EN ISO 294-4	23 °C	%	0.2 - 0.5
Flammability (own test)	UL94	1.5 mm	--	HB