

Technical Data Sheet

LURANYL® HT 212 G2



PPE+PA Blend with 10% glass fibre; high impact; very high temperature resistance

<i>Properties</i>	<i>Unit</i>	<i>Test Method</i>	<i>Test Conditions</i>	<i>Value*</i>	<i>Remarks</i>
<i>Mechanical</i>					
Tensile Modulus	MPa	ISO 527	23°C 1mm/min	4,050	
Tensile Strength	MPa	ISO 527	23°C 5 mm/min	96	
Elongation at Break	%	ISO 527	23°C 5 mm/min	11	
Impact Strength Notched (Charpy)	kJ/m ²	ISO 179/1eA	80 x 10 x 4 mm 23°C / -30°C	9 / 4	
Impact Strength (Charpy)	kJ/m ²	ISO 179/1eU	80 x 10 x 4 mm 23°C / -30°C	65 / 50	
<i>Physical</i>					
Density	g/cm ³	ISO 1183	23°C, 50% RH	1.17	
Water Absorption	%	ISO 62	23°C, 24 h	0.5	
<i>Thermal</i>					
Heat Distortion Temperature (HDT A)	°C	ISO 75	1.80 MPa	180	
Vicat Softening Temperature (B 50)	°C	ISO 306	50°C/h 50N	220	
Melt Volume Rate MVR	cm ³ /10 min	ISO 1133	280°C 5 kg	67	
Linear Thermal Expansion	10 ⁻⁴ · K ⁻¹	ISO 11359-2	23°C - 80°C	0.95	
Moulding Shrinkage	%	ISO 294-4	23° 3,2 mm	0.9 - 1.1	
Flammability (own test)	Class	UL 94	1.6 mm	HB	

* = Average figures which could vary with each production batch due to addition of pigments, antistatic agents, slip agents, light stabilizers or other additives.

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