Technical Data Sheet

LURANYL® KR 2402

ROMIRA
ENGINEERING POLYMERS

PPE+PS-I Blend with balanced combination of impact resistance and rigidity for parts with special demands on heat resistance

Properties	*Unit*	*Test Method*	*Test Conditions*	**Value***	**Remarks**
Mechanical					
Tensile Modulus	MPa	ISO 527	23℃ 1mm/min	2,500	
Tensile Strength	MPa	ISO 527	23℃ 50 mm/min	64	
Elongation at Yield	%	ISO 527	23℃ 50 mm/min	5	
Flexural Strength	MPa	ISO 178	23℃ 2 mm/min	105	
Impact Strength Notched (Charpy)	kJ/m²	ISO 179/1eA	80 x 10 x 4 mm 23℃ / -30℃	25 / 15	
Impact Strength (Charpy)	kJ/m²	ISO 179/1eU	80 x 10 x 4 mm 23℃ / -30℃	n.b. / n.b.	
Physical					
Density	g/cm^3	ISO 1183	23℃, 50% RH	1.06	
Water Absorption	%	ISO 62	23℃, 24 h	< 0.1	
Thermal					
Heat Distortion Temperature (HDT A)	℃	ISO 75	1.80 MPa	119	
Vicat Softening Temperature (B 50)	℃	ISO 306	50℃/h 50N	136	
Melt Volume Rate MVR	cm^3/10 min	ISO 1133	250℃ 21.6 kg	30	
Thermal Conductivity	W/(K·m)	DIN 52612	260x260x10 mm	0.18	
Linear Thermal Expansion	$10^{-4} \cdot K^{-1}$	ISO 11359-2	23℃ - 80℃	0.6 – 0.7	
Moulding Shrinkage	%	ISO 294-4	23℃ 3,2 mm	0.5 – 0.7	
Flammability	Class	UL 94	1.6 mm	HB	UL listed

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

ROMIRA GMBH