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/cm³	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	cm³/10 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.

The information submitted is based on our current knowledge and experience. In view of the many factors that may affect processing and application, these data do not relieve processors from the responsibility of carrying out their own tests and experiments; neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.

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