LURANYL® KR 2451-3

(PPE+PS) Romira GmbH

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	**138**	cm³/10min	ISO 1133
Temperature	**250**	°C	-
Load	**21.6**	kg	-
Molding shrinkage, parallel	**0.6**	%	ISO 294-4, 2577
Thermal conductivity of melt	**0.18**	W/(m K)	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**2500**	MPa	ISO 527
Tensile Strength	**60**	MPa	ISO 527
Yield strain	**5**	%	ISO 527
Flexural strength	**110**	MPa	ISO 178
Charpy impact strength, +23°C	**N**	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	**N**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**14**	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	**10**	kJ/m²	ISO 179/1eA
Ball indentation hardness	**130**	MPa	ISO 2039-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**92**	°C	ISO 75-1/-2
Vicat softening temperature, B	**110**	°C	ISO 306
Coeff. of linear therm. expansion, parallel	**65**	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	**V-1**	class	IEC 60695-11-10
Thickness tested	**1.5**	mm	-
Yellow Card available	**yes**	-	-
Oxygen index	**30**	%	ISO 4589-1/-2

Other properties	Value	Unit	Test Standard
Density	**1080**	kg/m³	ISO 1183

Characteristics

Special Characteristics

Flame retardant, Halogen-free, Heat stabilized or stable to heat

Regional Availability

North America, Europe, Asia Pacific

Applications

Automotive, Electrical and Electronical