

Luranyl® KR 2403 G2 TW 26343

Polyphenylene Ether + PS

ROMIRA GmbH

Message:

Luranyl® KR 2403 G2 TW 26343 is a polyphenylene ether + PS (PPE + PS) material, and the filler is 10% glass fiber reinforced material. This product is available in Europe, and the processing method is injection molding.

Luranyl® The main features of KR 2403 G2 TW 26343 are:

flame retardant/rated flame

High stiffness

Heat resistance

Luranyl® The typical application fields of KR 2403 G2 TW 26343 are: water pipes/pipes/drinking water

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Features	Rigidity, high		
	Heat resistance, high		
Agency Ratings	KTW not rated		
Appearance	Black		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.14	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (250°C/21.6 kg)	20.0	cm ³ /10min	ISO 1133
Molding Shrinkage (23°C, 3.20 mm)	0.30 - 0.50	%	ISO 294-4
Water Absorption (23°C, 24 hr)	< 0.10	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	5000	MPa	ISO 527-2/1
Tensile Stress (23°C)	103	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	5.0	%	ISO 527-2/5
Flexural Stress ¹ (23°C)	147	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	8.0	kJ/m ²	ISO 179/1eA
23°C	8.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	30	kJ/m ²	ISO 179/1eU
23°C	30	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	141	°C	ISO 306/B50
CLTE - Flow (23 to 80°C)	5.0E-5 - 6.0E-5	cm/cm/°C	ISO 11359-2
Flammability	Nominal Value		Test Method

Flame Rating (1.6 mm)	HB	UL 94
NOTE		
1.	2.0 mm/min	

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