

Luranyl® KR 2403 G4 TW 26343

Polyphenylene Ether + PS

ROMIRA GmbH

Message:

Luranyl® KR 2403 G4 TW 26343 is a polyphenylene ether + PS (PPE + PS) material, and its filler is 20% glass fiber reinforced material. This product is available in Europe, and the processing method is injection molding.

Luranyl® The main features of KR 2403 G4 TW 26343 are:

flame retardant/rated flame

High stiffness

Heat resistance

Luranyl® Typical application areas of KR 2403 G4 TW 26343 are: water pipes/pipes/drinking water

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Features	Rigidity, high		
	Heat resistance, high		
Agency Ratings	ACS not rated		
	KTW not rated		
	WRAS not rated		
Appearance	Black		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.20	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (250°C/21.6 kg)	13.0	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)	7500	MPa	ISO 527-2/1
Tensile Stress (23°C)	128	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	4.5	%	ISO 527-2/5
Flexural Stress ¹ (23°C)	170	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	9.0	kJ/m ²	ISO 179/1eA
23°C	10	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	145	°C	ISO 306/B50
CLTE - Flow (23 to 80°C)	4.0E-5 - 5.0E-5	cm/cm/°C	ISO 11359-2
Thermal Conductivity	0.22	W/m/K	DIN 52612
Flammability	Nominal Value		Test Method
Flame Rating (1.6 mm)	HB		UL 94
NOTE			
1.	2.0 mm/min		

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