

KUBE PIR 22402

High Density Polyethylene

KUBE Electronics AG

Message:

Transmissive Plastic Injection Molding Granulates

For fresnel lenses and windows of PIR motion detectors, thermal imaging cameras and non-contact thermometers

Features:

The best material for fresnel lenses

Specially suited for thin parts

High transmission in the 7 to 14 µm central passive infrared (PIR) band

Choice of colors and MFI

RoHS and TSCA conform

Excellent visible light absorption available for low false alarm rate / VDS conformity

Special colors available on request

According to KUBE's experience, these materials exhibit no substantial loss of specification over 10 years

22402: whitish (75% 22300 + 25% 22400a)

General Information			
Features	Good UV resistance		
	Flame retardancy		
Uses	Thin wall parts		
	Lens		
RoHS Compliance	RoHS compliance		
Appearance	White		
	Available colors		
Forms	Particles		
Physical	Nominal Value	Unit	Test Method
Density	0.951 - 0.960	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	17	g/10 min	ISO 1133
Injection	Nominal Value	Unit	
Drying Temperature	< 70.0	°C	
Drying Time	2.0	hr	
Hopper Temperature	50.0 - 70.0	°C	
Rear Temperature	170 - 220	°C	
Middle Temperature	200 - 220	°C	
Front Temperature	210 - 220	°C	
Nozzle Temperature	220 - 230	°C	
Processing (Melt) Temp	130	°C	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

