MAJORIS HFR661 - 7932

Polypropylene

AD majoris

Message:

HFR661 - 7932 is a halogen free flame retardant compound UL 94 VO, intended for injection moulding. This quality combines an extremely low level of toxicity and low smoke in the case of a fire but also a superior balance of impact and stiffness.
HFR661 - 7932 is also available in natural (HFR661) but other colours can be provided on request.
APPLICATIONS
HFR661 - 7932 is intended for the injection moulding of electrical component such as:
Electrical appliance components
Sockets
Junction boxes
Switches and connector housings

General Information			
Additive	Flame retardancy		
Features	Low smoke Low toxicity Recyclable materials Halogen-free Flame retardancy		
Uses	Electrical components Electrical housing Home appliance components		
Appearance	Available colors Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.32	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	24	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	20.0	MPa	ISO 527-2/50
Tensile Strain (Break)	1.0	%	ISO 527-2/50
Flexural Modulus [1]	4000	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	4.0	kJ/m²	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**

Heat Deflection Temperature (0.45 MPa, Unannealed)	115	°C	ISO 75-2/B
Ball Pressure Test (125°C)	Pass		UL 746
Thermal Conductivity (35°C)	0.62	W/m/K	
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	2.3E+18	ohms·cm	JIS K6911
Dielectric Constant	2.65		JIS K6911
Arc Resistance	192	sec	ASTM D495
Comparative Tracking Index	> 600	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (3.20 mm)	V-0		UL 94
Glow Wire Ignition Temperature (2.00 mm, 30 sec)	960	°C	IEC 60695-2-13
Oxygen Index	29	%	ISO 4589-2
Injection	**Nominal Value**	**Unit**	
Processing (Melt) Temp	210 - 240	°C	
Mold Temperature	50.0 - 60.0	°C	
Injection Rate	Moderate		
Injection instructions			
Holding pressure: 50 to 70% of the injection pressure			
NOTE			
1.	2.0 mm/min		

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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

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