

TOTAL Polystyrene Compound 807

Ignition Resistant Polystyrene

TOTAL Refining & Chemicals

Message:

POLYSTYRENE CPDS 807 is a Antimony Trioxide and DBDPE free flame retardant, high impact polystyrene, with a high fluidity, suitable for hot glow wire test at 960°C.

General Information			
UL YellowCard	E72824-249413		
Additive	Flame retardancy		
Features	High liquidity		
	No antimony		
	Flame retardancy		
Uses	Electrical housing		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm³	ISO 1183
Apparent Density	0.60	g/cm³	ISO 60
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	14	g/10 min	ISO 1133
Molding Shrinkage	0.40 - 0.70	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.10	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	27.0	MPa	ISO 527-2
Fracture	25.0	MPa	ISO 527-2
Tensile Strain (Break)	40	%	ISO 527-2
Flexural Modulus	2400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	6.5	kJ/m²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	87.0	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm, ALL)	V-2		UL 94
Glow Wire Ignition Temperature	960	°C	IEC 60695-2-13
Additional Information			
Water Absorption, ISO 62: <0.1%			
Injection	Nominal Value	Unit	
Processing (Melt) Temp	220	°C	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

