

TOTAL Polystyrene Compound 801

Ignition Resistant Polystyrene

TOTAL Refining & Chemicals

Message:

POLYSTYRENE CPDS 801 is a high impact, DBDPE free flame retardant polystyrene with excellent UV stability, rated UL V0 @ 1.6 mm and UL 5VB @ 2.5 mm.

General Information			
UL YellowCard	E72824-249407	E472299-102068896	
Additive	Flame retardancy		
Features	Good UV resistance		
	Flame retardancy		
Uses	Electrical housing		
	Shell		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm³	ISO 1183
Apparent Density	0.60	g/cm³	ISO 60
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	5.0	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	24.0	MPa	ISO 527-2
Fracture	19.0	MPa	ISO 527-2
Tensile Strain (Break)	40	%	ISO 527-2
Flexural Modulus	2300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	8.0	kJ/m²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	87.0	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.60 mm, ALL	V-0		UL 94
2.50 mm, ALL	5VB		UL 94
Additional Information			
Water Absorption, ISO 62: <0.1%			

Injection	Nominal Value	Unit
Processing (Melt) Temp	260	°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

