

Total PS CPDS FT875 Flame Retardant Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Flame Retardant

Material Notes:

POLYSTYRENE (PS) COMPOUND (CPDS) FT875 is a high impact, halogen free flame retardant polystyrene. PS CPDS FT875 offers high heat stability and is recommended for the manufacturing of articles which require good dimensional stability at elevated temperatures. Main Characteristics: Compliant with the European ECOLABEL (2009/300/EC) Bromine and Chlorine free, UL94 V1 @ 2.5 mm, High heat and good UV stability. Applications: Television covers, Decoders, Hi-Fi, Office automation. Information provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-PS-CPDS-FT875-Flame-Retardant-Polystyrene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.08 g/cc	1.08 g/cc	ISO 1183
Water Absorption	<= 0.10 %	<= 0.10 %	ISO 62
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	
Melt Flow	4.0 g/10 min @Load 5.00 kg, Temperature 200 °C	4.0 g/10 min @Load 11.0 lb, Temperature 392 °F	ISO 1133H

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	40.0 MPa	5800 psi	ISO 527-2
Tensile Strength, Yield	30.0 MPa	4350 psi	ISO 527-2
Elongation at Break	40 %	40 %	ISO 527-2
Flexural Modulus	2.40 GPa	348 ksi	ISO 178
Izod Impact, Notched (ISO)	6.00 kJ/m ²	2.86 ft-lb/in ²	180/1A

Thermal Properties	Metric	English	Comments
Vicat Softening Point	90.0 °C @Load 5.10 kg	194 °F @Load 11.2 lb	50°C per hour; ISO 306B50
Flammability, UL94	V-1 @Thickness 2.50 mm	V-1 @Thickness 0.0984 in	Natural, Black, Gray

Processing Properties	Metric	English	Comments
Melt Temperature	<= 280 °C	<= 536 °F	

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