

Description

POLYSTYRENE (PS) COMPOUNDS (CPD) 820 is a high impact brominated flame retardant polystyrene for use in injection moulding.
PS CPD 820 can be supplied in both natural and coloured forms.

Main Characteristics

✓ UL94 V2 @ 1.6 mm

Application

Covers for electrical equipment. Office automation.

Properties

Property	Method	Unit	Typical value (*)
UL 94 V2	UL94	mm	1.5 – 1.7
Density (**)	ISO 1183	g/cm ³	< 1.13
Melt Flow Rate (200°C-5kg)	ISO 1133/D	g/10min	11.0
Izod notched impact strength (23°C)	180/1A	kJ/m ²	7.5
Flexural modulus	ISO 178	MPa	2400
Vicat softening point 50N (50°C/hr)	ISO 306	°C	86.5

(*) Data not intended for specification purposes

(**) Based on natural resin

Processing conditions

Maximum melt temperature is 240°C.

Under normal processing conditions, this grade is heat stable. However do not leave in barrel when moulding machine is idle. Always purge with clean natural PS, PP or any propriety purging compound. Ensure all fumes are extracted at source.

General information

Standard properties: All tests carried out at 23°C unless stated otherwise. Mechanical properties are measured on injection moulded tests specimens.

Bulk density: bulk density of all natural grades is approximately 0.6 g/cm³.

PS CPD 820 should be kept in cool and dry place. Avoid direct exposure to sunlight.

Handling and storage

Please refer to the material safety data sheet (MSDS) for handling and storage information. It is advisable to convert the product within one year after delivery provided storage conditions are used as given in the MSDS of our product.

MSDS may be obtained from the website: <http://www.polymers.total.com/>

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