

TOTAL Polystyrene Compound 819

Specialty Polystyrene

TOTAL Refining & Chemicals

Message:

POLYSTYRENE (PS) COMPOUNDS (CPDS) 819 is a high impact bromintated flame retardant polystyrene. A combination of high flow and high heat stability gives excellent processability and reduced cycle times PS CPDS 819 can be supplied in both natural and colored forms.

General Information	
UL YellowCard	E472299-102068902
Additive	Flame Retardant
Features	Brominated
	Fast Molding Cycle
	Flame Retardant
	Good Processability
	Good UV Resistance
	High Flow
	High Heat Resistance
	High Impact Resistance
Uses	Business Equipment
	Electrical Housing
	Housings
Agency Ratings	EU Eco
Appearance	Colors Available
	Natural Color

Physical	Nominal Value	Unit	Test Method
Density (23°C)	< 1.13	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	10	g/10 min	ISO 1133
Molding Shrinkage	0.40 to 0.70	%	
Water Absorption (Saturation, 23°C)	< 1.0	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	25.0	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 Strength (23°C)	8.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	85.0	°C	ISO 306/B50

Flammability	Nominal Value	Test Method
Flame Rating (1.60 mm, BK)	V-0	UL 94
Injection	Nominal Value	Unit
Processing (Melt) Temp	< 260	°C

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