

TOTAL Polystyrene Compound 818R

Specialty Polystyrene

TOTAL Refining & Chemicals

Message:

POLYSTYRENE (PS) COMPOUNDS (CPDS) 818R 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 818R contains a significant level of recycled PS, collected according to the WEEE EU directive, and therefore reduces environmental impact via reduced CO2 emissions and reduced energy and water consumption

General Information			
UL YellowCard	E72824-100499023		
Additive	Flame Retardant		
Recycled Content	Yes		
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		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	< 1.13	g/cm³	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)	< 0.10	%	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/m²	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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