

Styrolution PS 153A

General Purpose Polystyrene
INEOS Styrolution Group GmbH

Message:

Styrolution PS 153A is an antistatic modified, general purpose polystyrene grade with a good flow characteristic.

General Information			
Additive	Antistatic		
Features	Antistatic		
	General Purpose		
	Good Flow		
Uses	Cups		
	Sheet		
Forms	Granules		
Processing Method	Coextrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (200°C/5.0 kg)	17.0	cm ³ /10min	ISO 1133
Molding Shrinkage	0.40 to 0.60	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3200	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	35.0	MPa	ISO 527-2
Nominal Tensile Strain at Break (23°C)	1.5	%	ISO 527-2
Flexural Stress	55.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	8.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	85.0	°C	ASTM D1525 ¹
CLTE - Flow	8.0E-5	cm/cm/°C	ISO 11359-2
Extrusion	Nominal Value	Unit	
Melt Temperature	180 to 280	°C	
NOTE			
1.	Rate B (120°C/h), Loading 2 (50 N)		

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