

Styrolution® PS 124L
PS

INEOS Styrolution

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	12	cm ³ /10min	ISO 1133
Temperature	200	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	3200	MPa	ISO 527
Yield stress	50	MPa	ISO 527
Nominal strain at break	2	%	ISO 527
Impact Strength (Charpy), +23°C	10	kJ/m ²	ISO 179/1eU
Ball Indentation Hardness	150	MPa	ISO 2039-1

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Coeff. of Linear Therm. Expansion, parallel	80	E-6/K	ISO 11359-1/-2
ASTM Data			
Vicat Temperature	87	°C	ASTM D 1525

Electrical Properties	Value	Unit	Test Standard
ISO Data			
Volume Resistivity	>1E13	Ohm*m	IEC 62631-3-1
Surface Resistivity	1E13	Ohm	IEC 62631-3-2

Other Properties	Value	Unit	Test Standard
ISO Data			
Water Absorption	0.1	%	Sim. to ISO 62
Humidity absorption	0.1	%	Sim. to ISO 62
Density	1040	kg/m ³	ISO 1183

Characteristics

Processing

Injection Molding, Thermoforming

Delivery form

Pellets

Special Characteristics

Heat aging stabilized

Features

Blending Resin

Applications

General Purpose