

Styrolution® PS 124N
PS

INEOS Styrolution

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	12	cm³/10min	ISO 1133
Temperature	200	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577
Mechanical Properties			
ISO Data			
Tensile Modulus	3200	MPa	ISO 527
Nominal strain at break	2	%	ISO 527
Stress at Break	50	MPa	ISO 527
Impact Strength (Charpy), +23°C	10	kJ/m²	ISO 179/1eU
Ball Indentation Hardness	150	MPa	ISO 2039-1
Thermal Properties			
ISO Data			
Temp. of deflection under load (1.80 MPa)	78	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	87	°C	ISO 306
Coeff. of Linear Therm. Expansion, parallel	80	E-6/K	ISO 11359-1/-2
Other Properties			
ISO Data			
Water Absorption	0.1	%	Sim. to ISO 62
Density	1040	kg/m³	ISO 1183

Characteristics

Processing

Injection Molding, Sheet Extrusion, Thermoforming

Delivery form

Pellets

Special Characteristics

Heat aging stabilized

Features

Blending Resin, Low Odor, Homopolymer

Applications

General Purpose