

Opole 29.05.2023

Material Data Sheet: PS

Polystyrene, for injection

Form: granules, colour: black

Properties	Test method	Test conditions	Units of measurement	Value
PHYSICAL				
Density	ISO 1183		g/cm ³	-
Flow index MFR	ISO 1133	270C/5 kg	g/10 min	32
Processing shrinkage	ISO 394-4	60x60x2	%	-
Moisture amount			%	<0,2
MECHANICAL				
Elastic modulus at tensile	ISO 527	1 mm/min	MPa	1340
Tensile strength	ISO 527	5 mm/min	MPa	17,4
Elongation at tensile strength	ISO 527	5 mm/min	%	2,1
Charpy impact toughness (notch)	ISO 179	20 C	kJ/m ²	1,2
COMBUSTIBILITY				
Combustibility	UL94	1,5 mm	class	HB

Mass temperature: 250 – 280 C, Mould temperature: 80 C

Packaging: octabin/big bags up to 1000 kg

Additional information: large filling of (most probably) chalk.