

Datasheet

Material: PS 80
Colour: gray – coloured
Remark:

General values	Measure methods	value	unit
Meltindex 200° / 5 :	ISO 1133	5	g/10 min
Melting temperature:		100	°C
Density:	DIN 53 479	1,05	g/cm ³
Processing speed:	DIN 53 464	0,2 – 1,0	%
Rest humidity:		< 0,2	%

Mechanical values

Notched impact strenght:	ISO 179/1eA	complete break 7,0	kJ/m ²
Impact strenght:	ISO 179/1eU	50,0	kJ/m ²
Flexure modulus:	ISO 178-B 3	1500	Mpa
Flexure strenght:	ISO 178	35	Mpa
Tensile-E-Modulus:	ISO 527	1550	Mpa
Breakstress:	ISO 527	20	Mpa
Ultimate elongation:	ISO 527	> 20	%

Processing information (for test sample preparation)

Bulk temperature:	180 - 260	°C
Tool temperature:	10 – 60	°C
Injection speed:	200 – 300	mm/s

Remarks:

The values given above are approximate values based on our findings and experience to date. They may be affected by processing conditions, modifications, auxiliary substances and the environment and are no substitute for the user's own inspections and tests. The information we provide cannot be taken as a legally binding assurance of specific properties or suitability for a specific use.