

Polypropylene Prisma 3410

Sub-group:

Random copolymer

Description:

Prisma 3410 is a medium melt flow rate random copolymer, designed for injection moulding. This product exhibits exceptional transparency, very good stiffness/impact strength balance and excellent processability.

Applications:

High transparency parts with an excellent balance stiffness / impact.

Processing:

Injection Moulding

Control Property:

	ISO Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	1133	g/10 min	10

Typical Properties^a:

	ISO Method	Units	Values
Density	1183-1	g/cm ³	0.902
Flexural Modulus – 1% secant	178	MPa	1050
Tensile Strength at Yield	527-1	MPa	29
Tensile Elongation at Yield	527-1	%	13
Rockwell Hardness (R Scale)	2039-2	-	82
Notched Izod Impact Strength at 23°C	180	kJ/m ²	3.5
Notched Izod Impact Strength at -20°C	180	kJ/m ²	1.3
Deflection Temperature under Load at 0.455 MPa	75-1/75-2	°C	85
Deflection Temperature under Load at 1.820 MPa	75-1/75-2	°C	51
Vicat Softening Temperature at 10 N	306	°C	129
Haze ^b	13468-1	%	7

a) Injection molded specimen according to ISO 294.

b) Specimen thickness: 1 mm.

