

Polypropylene Prisma 2910

Sub-group:

Random copolymer

Description:

Prisma 2910 is a high melt flow rate random copolymer for injection moulding applications of transparent containers for freezer application. This product offers high impact strength at low temperatures and excellent processability.

Applications:

Transparent containers for freezer and refrigerator storage; Paint drums.

Processing:

Injection Moulding

Control Property:

	ASTM Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	17

Typical Properties^a:

	ASTM Method	Units	Values
Density	D 792	g/cm ³	0.902
Flexural Modulus – 1% secant	D 790	MPa	650
Tensile Strength at Yield	D 638	MPa	21
Tensile Elongation at Yield	D 638	%	17
Rockwell Hardness (R Scale)	D 785	-	50
Notched Izod Impact Strength at 23°C	D 256	J/m	120
Notched Izod Impact Strength at -20°C	D 256	J/m	20
Deflection Temperature under Load at 0.455 MPa	D 648	°C	67
Deflection Temperature under Load at 1.820 MPa	D 648	°C	44
Vicat Softening Temperature at 10 N	D 1525	°C	114
Haze ^b	D 1003	%	20

a) Injection molded specimen according to ASTM D 4101.

b) Specimen thickness: 1 mm.

