

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.

Final Remarks:

1. This resin meets the requirements for olefin polymers as defined in 21 CFR, section 177.1520 issued by FDA – Food and Drug Administration in force on the date of publication of this specification. The additives present are covered in appropriate regulation by FDA.
2. The information presented in this Data Sheet reflects typical values obtained in our laboratories, but should not be considered as absolute or as warranted values. Only the properties and values mentioned on the Certificate of Quality are considered as guarantee of the product.
3. In some applications, Braskem has developed tailor-made resins to reach specific requirements.
4. In case of doubt regarding utilization, or for other applications, please contact our Technical Assistance.
5. For information about safety, handling, individual protection, first aids and waste disposal, please see MSDS. CAS Registry number: 9010-79-1.
6. The mentioned values in this report can be changed at any moment without Braskem previous communication.
7. Braskem does not recommend this grade for packages, parts or any kind of product manufacture that will be used for storage or contact with solution that will have internal contact with human body.
8. This resin does not contain the substance Bisphenol A (BPA, CAS # No. 80-05-7) in its composition.

