Braskem Braskem Prisma

Data Sheet
Review 6 (May / 18)

Polypropylene Prisma 1410

Description:
Random copolymer

Prisma 1410 is a high 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

Processes:
Injection molding

Control Properties

Characteristic	Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	40

Typical Properties

Characteristic	Method	Units	Values
Density	D 792	g/cm³	0.902
Flexural Modulus - 1% Secant	D 790	MPa	1000
Tensile Strength at Yield	D 638	MPa	29
Tensile Elongation at Yield	D 638	%	14
Rockwell Hardness (R Scale)	D 785	-	79
Notched Izod Impact Strength at 23°C	D 256	J/m	50
Notched Izod Impact Strength at -20°C	D 256	J/m	15
Deflection Temperature under Load at 0.455 MPa	D 648	°C	81
Deflection Temperature under Load at 1.820 MPa	D 648	°C	50
Vicat Softening Temperature at 10 N	D 1525	°C	129
Haze	1003	%	8

a) Injection molded specimen according to ASTM D 4101. NB = No Break.

Final Remarks

1. It is the sole responsibility of the Client/Purchaser of this Product to verify the suitability of this Product and its use for the intended use and to ensure compliance with legal and regulatory requirements applicable to the final product.
2. The technical guidance eventually rendered to the Client/Purchaser of the Product by Braskem about the Product does not characterize a performance guarantee for the intended application, nor does it exempt the Client/Purchaser from the responsibilities described in item 1 above.
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