Prisma® 2400

Polypropylene Random Copolymer

Braskem

Message:

Description:
Prisma 2400 is a high melt flow rate random copolymer. This product is design for ISBM process (Injection Stretch Blow Molding) and offers low taste/odor.
Applications:
Injection of transparent parts for packages; ISBM technology transparent bottles for mineral water, teas, cold juices, drinks and isotonic beverages.

General Information	
Features	Food Contact Acceptable High Clarity High Flow Low to No Odor Low to No Taste Random Copolymer
Uses	Bottles Fruit Juice Bottles Packaging
Agency Ratings	FDA 21 CFR 177.1520
Processing Method	Injection Blow Molding Injection Molding Stretch Blow Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.902	g/cm³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ASTM D1238, ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness			
R-Scale, Injection Molded	71		ASTM D785
R-Scale	71		ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield, Injection Molded)	28.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Yield, Injection Molded)	16	%	ASTM D638, ISO 527-2
Flexural Modulus			
1% Secant : Injection Molded	950	MPa	ASTM D790
Injection Molded	1000	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
-20°C, Injection Molded	15	J/m	ASTM D256
23°C, Injection Molded	40	J/m	ASTM D256
-20°C, Injection Molded	1.3	kJ/m^2	ISO 180
23°C, Injection Molded	2.2	kJ/m^2	ISO 180
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			
0.45 MPa, Unannealed, Injection Molded	74.0	°C	ASTM D648
0.45 MPa, Unannealed	74.0	°C	ISO 75-2/B
1.8 MPa, Unannealed, Injection Molded	47.0	°C	ASTM D648
1.8 MPa, Unannealed	47.0	°C	ISO 75-2/A
Vicat Softening Temperature	127	°C	ISO 306/A, ASTM D1525 [1]
Optical	**Nominal Value**	**Unit**	**Test Method**
Haze			
1000 µm, Injection Molded	12	%	ASTM D1003
1000 µm, Injection Molded	12	%	ISO 13468-1
NOTE			
1.	Loading 1 (10 N)		

Recommended distributors for this material

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