Prisma® 3410

Polypropylene Random Copolymer

Braskem

Message:

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; Household appliances; High-transparency flip-top lids and packages.

General Information			
Features	Food Contact Acceptable Good Impact Resistance Good Processability Good Stiffness High Clarity Medium Flow Random Copolymer		
Uses	Appliances Lids Packaging		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection 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)	10	g/10 min	ASTM D1238, ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness			
R-Scale, Injection Molded	82		ASTM D785
R-Scale	82		ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield, Injection Molded)	29.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Yield, Injection Molded)	13	%	ASTM D638, ISO 527-2
Flexural Modulus			
1% Secant : Injection Molded	1000	MPa	ASTM D790
Injection Molded	1050	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			

-20°C, Injection Molded	20	J/m	ASTM D256
23°C, Injection Molded	55	J/m	ASTM D256
-20°C, Injection Molded	1.3	kJ/m²	ISO 180
23°C, Injection Molded	3.5	kJ/m²	ISO 180
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			
0.45 MPa, Unannealed, Injection Molded	85.0	°C	ASTM D648
0.45 MPa, Unannealed	85.0	°C	ISO 75-2/B
1.8 MPa, Unannealed, Injection Molded	51.0	°C	ASTM D648
1.8 MPa, Unannealed	51.0	°C	ISO 75-2/A
Vicat Softening Temperature	129	°C	ISO 306/A, ASTM D1525 [1]
Optical	**Nominal Value**	**Unit**	**Test Method**
Haze			
1000 µm, Injection Molded	7.0	%	ASTM D1003
1000 µm, Injection Molded	7.0	%	ISO 13468-1
NOTE			
1.	Loading 1 (10 N)		

Recommended distributors for this material

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