Braskem PP H 605

Polypropylene Homopolymer

Braskem

Message:

Description:
H 605 is a low melt flow rate homopolymer with high transparency. This resin is designed for extrusion and thermoforming. H 605 exhibits excellent processability and high output, excellent stiffness/impact strength balance, high melt strength, outstanding optical properties and low odor/taste transfer.
Applications:
High transparency thermoformed packaging for food, cosmetic, health care and cleaning products; Flat and corrugated sheets for school and office folders

General Information	
Features	Good Melt Strength Good Processability High Impact Resistance High Stiffness Homopolymer Low Odor Transfer Non-Toxic Opticals
Uses	Corrugated Sheet Cosmetic Packaging Food Packaging Pacifiers Packaging
Agency Ratings	FDA 21 CFR 177.1520
Appearance	Clear/Transparent
Forms	Pellets
Processing Method	Extrusion Thermoforming

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.905	g/cm³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.1	g/10 min	ASTM D1238, ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness			
R-Scale, Injection Molded	101		ASTM D785
R-Scale	101		ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**

Tensile Strength (Yield, Injection Molded)	37.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Yield, Injection Molded)	11	%	ASTM D638, ISO 527-2
Flexural Modulus			
1% Secant : Injection Molded	1600	MPa	ASTM D790
Injection Molded	1600	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			
23°C, Injection Molded	45	J/m	ASTM D256
23°C, Injection Molded	3.2	kJ/m^2	ISO 180
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			
0.45 MPa, Unannealed, Injection Molded	106	°C	ASTM D648
0.45 MPa, Unannealed	106	°C	ISO 75-2/B
1.8 MPa, Unannealed, Injection Molded	57.0	°C	ASTM D648
1.8 MPa, Unannealed	57.0	°C	ISO 75-2/A
Vicat Softening Temperature	155	°C	ISO 306/A, ASTM D1525 [1]
Optical	**Nominal Value**	**Unit**	**Test Method**
Haze			
Injection Molded	23	%	ISO 13468-1
1000 µm, Injection Molded	30	%	ASTM D1003
NOTE			
1.	Loading 1 (10 N)		

Recommended distributors for this material

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