

Teldene® H03TF

Polypropylene Homopolymer

National Petrochemical Industries Company (NATPET)

Message:

- Typical Applications
 - Thermoformed packaging articles
 - In-line and off-line thermoforming
 - Used for the production of fruit baskets, trays, transparent drinking cups and containers
- Key Characteristics
 - Nucleated homopolymer, contains anti-static agent
 - Excellent transparency and processability
 - Excellent stiffness and dimensional stability
 - Excellent isotropic shrinkage control
 - Excellent for deep thermoforming application
 - Good organoleptic properties
 - Food contact approval for specific applications (refer to NATPET)

General Information			
Additive	Nucleating agent		
	Antistatic property		
Features	High Dimensional Stability		
	Nucleated		
	Rigidity, high		
	Homopolymer		
	Antistatic property		
	Good sensory characteristics		
	Definition, high		
	Compliance of Food Exposure		
	Low shrinkage		
Uses	Thermoforming Applications		
	Packaging		
	Cup		
	Container		
Appearance	Clear/transparent		
Processing Method	Sheet extrusion molding		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.1	g/10 min	ASTM D1238

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1600	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield	37.0	MPa	ISO 527-2/50
Fracture	27.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	9.0	%	ISO 527-2/50
Fracture	> 50	%	ISO 527-2/50
Flexural Modulus	1720	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	5.1	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	90.0	°C	ISO 75-2/B
Vicat Softening Temperature	155	°C	ISO 306/A50
Extrusion	Nominal Value	Unit	
Melt Temperature	230 - 240	°C	

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