

TOTAL Polypropylene PPH 3480Z

Polypropylene Homopolymer

TOTAL Refining & Chemicals

Message:

TOTAL Polypropylene 3480Z is formulated specifically to give excellent process stability in high profile extrusion.
Low catalyst residues in TOTAL Polypropylene 3480Z provide outstanding color, plus low taste and odor.
TOTAL Polypropylene 3480Z is formulated to minimize surface static build-up.
TOTAL Polypropylene 3480Z complies with all applicable FDA regulations for food contact applications.
TOTAL Polypropylene 3480Z is recommended for high speed profile extrusion for standard and flexible drinking straws.

General Information			
Additive	Antistatic property		
Features	Antistatic property		
	Good processing stability		
	The smell is low to none		
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	Compliance of Food Exposure		
Uses	Beverage straw		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA Food Exposure, Not Rated		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Profile extrusion molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.8	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	90		ASTM D785
Durometer Hardness (Shore D)	77		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1520	MPa	ASTM D638
Tensile Strength (Yield)	36.5	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	10	%	ASTM D638
Fracture	100	%	ASTM D638
Flexural Modulus	1380	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	27	J/m	ASTM D256A
Unnotched Izod Impact (23°C)	1300	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	107	°C	ASTM D648
Melting Temperature	166	°C	DSC
CLTE - Flow	1.0E-4	cm/cm/°C	ASTM D696

Additional Information

Elongation at Break, ASTM D638: > 100%

Extrusion	Nominal Value	Unit
Melt Temperature	200 - 232	°C

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