

# TOTAL Polypropylene PPH 3429

Polypropylene Homopolymer

TOTAL Refining & Chemicals

Message:

TOTAL Polypropylene 3429 is engineered with an LTHA additive system that gives excellent bleach resistance in hot/wet environments that contain bleach and laundry detergents.

TOTAL Polypropylene 3429 has a UL rating at 120°C (248°F).

TOTAL Polypropylene 3429 complies with all applicable FDA regulations for food contact applications.

TOTAL Polypropylene 3429 is recommended for appliance parts and is particularly suited for parts that are exposed to a hot/wet environment such as: washing machine, dishwasher and coffee machine parts.

General Information			
UL YellowCard	E66261-247995		
Additive	Heat Stabilizer		
Features	Detergent Resistant		
	Food Contact Acceptable		
	Heat Stabilized		
Uses	Appliance Components		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA Food Contact, Unspecified Rating		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.3	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	103		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1380	MPa	ASTM D638
Tensile Strength (Yield)	33.1	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1240	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	32	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)	121	°C	ASTM D648

Melting Temperature	166	°C	DSC
Additional Information	Nominal Value	Unit	
UL Rating	120	°C	
Injection	Nominal Value	Unit	
Processing (Melt) Temp	199 to 232	°C	

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#### Recommended distributors for this material

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