

## Total PPH 3429 Polypropylene, Injection Molding Grade

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

### Material Notes:

LTHA injection molding homopolymer LTHA - FINA 3429 is engineered with an LTHA additive system that gives excellent leach resistance in hot/wet environments that contain bleach and laundry detergents. UL Rating - FINA 3429 has a UL rating at 120oC (248oF) FDA - FINA 3429 complies with all applicable FDA regulations for food contact applications. Recommended Applications - FINA 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. Processing - FINA 3429 resin processes on conventional injection molding equipment with typical melt temperatures of 390-450°F (200-232°C) Data provided by the manufacturer, Total Petrochemicals. Total Petrochemicals acquired former Fina and Atofina plastics product lines.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Total-PPH-3429-Polypropylene-Injection-Molding-Grade.php](http://www.lookpolymers.com/polymer_Total-PPH-3429-Polypropylene-Injection-Molding-Grade.php)

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	4.5 g/10 min	4.5 g/10 min	ASTM D1238L

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	103	103	ASTM D288A
Tensile Strength, Ultimate	33.1 MPa	4800 psi	ASTM D638
Elongation at Break	8.0 %	8.0 %	ASTM D638
Modulus of Elasticity	1.38 GPa	200 ksi	ASTM D638
Flexural Modulus	1.17 GPa	170 ksi	ASTM D790
Izod Impact, Notched	0.320 J/cm	0.599 ft-lb/in	ASTM D256A
Izod Impact, Unnotched	12.8 J/cm	24.0 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	DSC
Maximum Service Temperature, Air	120 °C	248 °F	UL Rating
Deflection Temperature at 0.46 MPa (66 psi)	121 °C	250 °F	ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 232 °C	392 - 450 °F	Injection

## **Contact Songhan Plastic Technology Co.,Ltd.**

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