

LTHA. 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.

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

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

Recommended 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.

Processing. TOTAL Polypropylene 3429 resin processes on conventional injection molding equipment with typical melt temperatures of 390-450°F (200-232°C). Call the nearest TOTAL Polypropylene Sales Office for additional information.

Homopolymer
LTHA Injection Molding

3429

POLYPROPYLENE

Resin Properties

Typical Values

ASTM Methods

Melt Flow, g/10 min.	4.3	D-1238 Condition
Density, g/cc	0.905	D-1505
Melting Point, °F (°C)	330 (165)	DSC ⁽²⁾

Mechanical Properties

Tensile @ Yield, psi (M Pa)	4,800 (33.1)	D-638
Elongation, %	12	D-638
Tensile Modulus, psi (M Pa)	200,000 (1,380)	D-638
Flexural Modulus, psi (M Pa)	180,000 (1,240)	D-790
Izod Impact @ 73°F		D-256A
Notched - ft.lb./in. (J/m)	0.6 (32)	
Unnotched - ft.lb./in. (J/m)	24 (1,280)	
Hardness		
Rockwell R	103	D-785A

Thermal Properties

Heat Deflection		D-648
°F @ 66 psi	250	
°C @ 4.64 kg/cm ²	121	
UL Rating		
°F (°C)	248 (120)	

(1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.
(2) MP determined with a DSC-2 Differential Scanning Calorimeter. Test procedure available upon request.
(3) Note: TOTAL Polypropylene 3429 replaces TOTAL Polypropylene 3423 and Dypro 8621.