

# polypropylene

## Homopolymer 7444 Resin

Grade 7444 is a general purpose polypropylene homopolymer for injection molding applications. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

### Applications

- Consumer products
- Housewares
- Medical components
- Rigid packaging

### Benefits

- Good organoleptic properties
- Fast cycle time

### Typical Properties\*

Resin	Value	ASTM Method
Melt Flow Rate, 2.16 kg at 230°C, g/10 min	13.5	D1238
<b>Injection Molded Sample</b>		
Tensile at 23°C		D638
Strength at Yield, psi (MPa)	5,100 (35)	
Elongation at Yield, %	10	
Elongation at Break, %	>500	
Flexural Modulus, at 23°C, kpsi (MPa)	215 (1,480)	D790A
Heat Deflection Temperature at 66 psi, (455 kPa), °F (°C)	220 (104)	D648
UL Recognition		
Relative Thermal Index, °C	65	
Flammability Classification	94HB	UL94

\* Typical properties will vary within specification limits.



## Regulatory Information

The product and uses described herein may require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, send an e-mail to: [bpcares@bp.com](mailto:bpcares@bp.com).

## Health and Safety Information

The product described herein may require precautions in handling and use because of toxicity, flammability, or other consideration. The available product health and safety information for this material is contained in the Material Safety Data Sheet (MSDS) that may be obtained by calling +1-866-427-6737 (Toll Free-North America), or by sending an e-mail to: [bpcares@bp.com](mailto:bpcares@bp.com). Before using any material, a customer is advised to consult the MSDS for the product under consideration for use.

The Material Safety Data Sheet for this product contains shipping descriptions and should be consulted, before transportation, as a reference in determining the proper shipping description. If the material shipped by BP is altered or modified, different shipping descriptions may apply and the MSDS of the original material should not be used.

For additional information, samples, pricing and availability, please contact:

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