

# T60-800-229

POLYETHYLENE HOMOPOLYMER

**TECHNICAL  
DATASHEET**

## Product Description

T60-800-229 is a UV-stabilized high density polyethylene homopolymer with narrow molecular weight distribution intended for general purpose injection molding applications requiring good rigidity and a glossy surface finish. This material meets the U.S. Food and Drug Administration requirements of 21 CFR 177.1520.<sup>1</sup>

## Typical Properties<sup>2</sup>

Property	English Units	SI Units	ASTM Method
<b>Resin Properties</b>			
Density		0.960 g/cc	D4883
Melt Index (190°C/2.16 kg)		8.0 g/10 min	D1238
<b>Compression Molded Specimen Test</b>			
Tensile Strength @ Yield	4,600 psi	31 MPa	D638
Tensile Elongation @ Yield	8 %	8 %	D638
Flexural Modulus, Tangent Method	239,000 psi	1,650 MPa	D790A
Notched Izod Impact Strength	0.71 ft-lb/in	38 J/m	D256
Hardness, Shore D	70	70	D2240
Vicat Softening Point	262 °F	128 °C	D1525
Deflection Temperature @ 66 psi (455 kPa)	174 °F	79 °C	D648
Brittleness Temperature	<-94 °F	<-70 °C	D746
ESCR, Condition B, 100% Igepal, F50	4 hrs	4 hrs	D1693

<sup>1</sup>Consult the Regulatory Position Statement for specific use conditions and limitations.

<sup>2</sup>Typical property values will vary and are not to be used as specification limits.