LG PP R6400

PP Random copolymer

Applications

- **Pharmaceutical Bottle, Container for injectable solutions**

Description

- **LG PP R6400 is a polypropylene-ethylene random copolymer designed for injection stretch blow molding(ISBM) and injection molding, especially in medical usage. It offers optimum balance between good processing and physical properties and complies with FDA regulation 21 CFR 177.1520 for all food contact and USP 30/ NF 25 Supplement 2, <661> Containers, Physicochemical Tests – Plastics for medical devices.**

Typical properties

Characteristics(1)	Test Method	Unit	Value
Physical			
Density	ASTM D1505	g/㎤	**0.9**
MFR(230℃,2.16Kg)	ASTM D1238	g/10min	**8**
Mechanical(2)			
Tensile Strength at Yield	ASTM D638(3)	MPa	**29**
Elongation at Break	ASTM D638(3)	%	**>500**
Flexural Modulus	ASTM D790(4)	MPa	**1,000**
Izod Impact Strength (Notched, 23℃)	ASTM D256	J/m	**49**
Hardness(R-scale)	ASTM D785	-	**86**
Thermal			
Vicat Softening Point (1kgf)	ASTM D1525	℃	**134**
Heat Deflection Temperature (4.6kgf/cm^2)	ASTM D648	℃	**88**

(1) The properties data in this table are typical values, and not guaranteed specification.
(2) Typical resin property values are measured on a standard injection molded specimens
The actual processing conditions of our products may vary and are beyond our control, establishing satisfactory performance of the resin for the intended application is the customer's responsibility.

For additional sales, order and technical assistance

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