

Topilene R301

Polypropylene Random Copolymer

Hyosung Chemicals PG



Product Description

R301 is random copolymer, suitable for products requiring transparency and stiffness. It has good processability and proper impact strength; thereby used for extrusion and injection. it is appropriate for food container because it doesn't contain harmful components.

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• Good Impact Resistance • Good Processability	• High Clarity • Random Copolymer	
Uses	• Blow Molding Applications • Bottles	• Food Containers • Sheet	
Forms	• Pellets		
Processing Method	• Blow Molding • Extrusion	• Injection Molding • Vacuum Forming	

Physical	Nominal Value Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.5 g/10 min	ASTM D1238
Mechanical	Nominal Value Unit	Test Method
Tensile Strength (Yield)	31.4 MPa	ASTM D638
Tensile Elongation (Break)	500 %	ASTM D638
Flexural Modulus	1180 MPa	ASTM D790
Impact	Nominal Value Unit	Test Method
Notched Izod Impact (23°C)	98 J/m	ASTM D256
Hardness	Nominal Value Unit	Test Method
Rockwell Hardness (R-Scale)	80	ASTM D785
Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load 0.45 MPa, Unannealed	100 °C	ASTM D648
Vicat Softening Temperature	130 °C	ASTM D1525

Notes

¹ Typical properties: these are not to be construed as specifications.