

General Information

General

Material Status	• Commercial: Active		
Availability	• North America		
Features	• Food Contact Acceptable • Good Dimensional Stability	• Good Processability • Good Surface Finish	• Homopolymer
Uses	• Caps • Closures • Containers	• Household Goods • Sporting Goods • Thin-walled Parts	• Toys
Agency Ratings	• FDA 21 CFR 177.1520		
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.904		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	4600	psi	ASTM D638
Flexural Modulus - 1% Secant	170000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.60	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	203	°F	ASTM D648

Additional Information

Product Code: 1001101

Processing Information

Injection	Nominal Value	Unit
Rear Temperature	430	°F
Middle Temperature	450	°F
Front Temperature	470	°F
Nozzle Temperature	470	°F
Processing (Melt) Temp	470	°F
Mold Temperature	70.0 to 120	°F
Injection Pressure	400 to 1500	psi
Back Pressure	150 to 500	psi

Injection Notes

Screw Speed: Slow
Injection Speed: Slow-Fast

Avoid excessive melt temperatures and long residence times as this could lead to thermal degradation.

HIVAL® 2435

Nexeo Solutions, LLC. - Polypropylene Homopolymer

Notes

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