

# HIVAL® 2620

Polypropylene Impact Copolymer

Nexeo Solutions, LLC.

Message:

HIVAL® 2620 is a Polypropylene Impact Copolymer (PP Impact Copolymer) material. It is available in North America for injection molding.

Important attributes of HIVAL® 2620 are:

Food Contact Acceptable

Rigid

Typical applications include:

Caps/Lids/Closures

Consumer Goods

Engineering/Industrial Parts

Food Contact Applications

Household Applications

| General Information                                      |                         |                   |             |
|----------------------------------------------------------|-------------------------|-------------------|-------------|
| Features                                                 | Food Contact Acceptable |                   |             |
|                                                          | High Rigidity           |                   |             |
| Uses                                                     | Caps                    |                   |             |
|                                                          | Household Goods         |                   |             |
|                                                          | Sporting Goods          |                   |             |
|                                                          | Thin-walled Parts       |                   |             |
|                                                          | Toys                    |                   |             |
| Agency Ratings                                           | FDA 21 CFR 177.1520     |                   |             |
| Forms                                                    | Pellets                 |                   |             |
| Processing Method                                        | Injection Molding       |                   |             |
| Physical                                                 | Nominal Value           | Unit              | Test Method |
| Density                                                  | 0.900                   | g/cm <sup>3</sup> | ASTM D1505  |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)                | 20                      | g/10 min          | ASTM D1238  |
| Hardness                                                 | Nominal Value           | Unit              | Test Method |
| Rockwell Hardness (R-Scale)                              | 105                     |                   | ASTM D785   |
| Mechanical                                               | Nominal Value           | Unit              | Test Method |
| Tensile Strength (Yield)                                 | 24.1                    | MPa               | ASTM D638   |
| Tensile Elongation (Yield)                               | 9.0                     | %                 | ASTM D638   |
| Flexural Modulus - 1% Secant                             | 1100                    | MPa               | ASTM D790   |
| Impact                                                   | Nominal Value           | Unit              | Test Method |
| Notched Izod Impact                                      | 110                     | J/m               | ASTM D256   |
| Thermal                                                  | Nominal Value           | Unit              | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 82.8                    | °C                | ASTM D648   |
| Injection                                                | Nominal Value           | Unit              |             |

|                    |              |    |
|--------------------|--------------|----|
| Rear Temperature   | 221          | °C |
| Middle Temperature | 232          | °C |
| Front Temperature  | 243          | °C |
| Nozzle Temperature | 243          | °C |
| Mold Temperature   | 21.1 to 48.9 | °C |

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