

# Homopolymer Resin: 194-NA25

Injection Moulding

**194-NA25** is a high clarity injection moulding grade which can be used in many different applications. This grade contains an additive which could generate a slight almond odor in the finished articles. As such, for food contact applications we recommend you establish its suitability prior to use.

### Applications

- Consumer products
- Transparent containers
- Medical syringes

### Benefits and Features

- Good processability
- Good optical properties
- Good clarity
- Good rigidity and strength

Properties		Test Method	Value	Units
<b>Physical</b>				
Melt Flow Rate	230°C/2.16kg	ISO 1133	25	g/10min
<b>Mechanical</b>				
Flexural Modulus	at 23°C	ISO 178	1750	MPa
Tensile Strength at Yield		ISO 527-1,-2	38	MPa
Izod impact strength, notched	at +23°C	ISO 180/1A	3	kJ/m <sup>2</sup>
Charpy Impact Strength, notched	at +23°C	ISO 179/1eA	2	kJ/m <sup>2</sup>
<b>Thermal</b>				
HDT	at 0.45 MPa	ISO 75/B	116	°C
<b>Optical</b>				
Haze		ASTM D 1003	27	%



### FOOD CONTACT APPLICATIONS

As dispatched from our plants, Innovene's polypropylene grades meet the requirements of most European countries in respect of their usage in food contact applications. Official confirmation of compliance with current requirements in the individual countries will be provided on request. No liability can be accepted for any damage, loss, or injury arising out of failure to obtain such confirmation, or failure to observe any recommendations given.

### POLYPROPYLENE AND THE ENVIRONMENT

"Innovene will act responsibly and caringly towards those who work for us, the community whom we serve and the environment in which we live."

Natural polypropylene grades, as dispatched from Innovene's plants, can be recycled, incinerated or disposed of in landfill without detriment to the environment.

With recycling, clean waste can be re-used for many less demanding applications.

Alternatively, with properly controlled and efficient incineration, preferably linked to heat or other energy recovery systems, polypropylene's high calorific value will assist the combustion of municipal solid waste.

In landfill sites, Innovene's polypropylene grades do not degrade to produce voids, and do not emit dangerous gases or contribute to ground water pollution

Natural polypropylene grades, as dispatched from Innovene's plants, comply with the limit for heavy metals (100 ppm total of lead, cadmium, mercury and hexavalent chromium) in packaging materials as defined in the European Union Directive 94/62/EC on packaging and packaging waste and the corresponding US CONEG regulations.

If pigments or other additives are incorporated into Innovene's polypropylene grades at the processing stage, the above statements may not be fully valid. Innovene will be pleased to offer advice in specific cases.

### HEALTH AND SAFETY

Material Safety Data Sheets for Innovene's polypropylene grades are available and should be consulted before handling and using Innovene's polypropylene grades.

### EXCLUSION OF LIABILITY

The information contained in this website, as at the date of publication, is accurate to the best knowledge and belief of Innovene Europe Ltd. and its affiliates ("Innovene") and any further information or advice provided by Innovene relating to Innovene or third party materials is also given in good faith. Innovene makes no representations or warranties, express or implied, regarding the completeness, quality or accuracy of this or any other information and any decisions you make based on the information contained in this website or otherwise provided by Innovene, including as to the suitability or fitness of materials for a particular purpose, are your sole responsibility. The information contained in this website is subject to change, and your Innovene representative will be happy to help in providing you with the latest version of this information. Please otherwise note that we advise you regularly check the validity of the information you may have already downloaded from our Innovene website.

Except as required by mandatory law or as expressly provided in Innovene's standard terms and conditions of sale, Innovene accepts no liability whatsoever arising from the use of information supplied by this website or otherwise, or from the application, adaptation or processing of the products described herein, the use of other materials in lieu of Innovene materials or the use of Innovene materials in conjunction with such other materials.

Innovex, Novex, Rigidex, Eltex P, Rigidex P, as well as the breakthrough mark, the letters bp and the helios mark are trademarks of either BP p.l.c. or its subsidiaries, used with their permission, and are registered in a number of countries.

## August 2005

The information provided in this datasheet is intended to assist you in the use of Innovene materials. It does not attempt to describe every possible condition of use of Innovene materials.

