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## Low odor, flavor transfer thin-wall injection molding food packaging with ExxonMobil™ PP

### Key benefits



#### Low odor

Low odor and flavor transfer



#### Cost savings

Cost reduction opportunities



#### Improved aesthetics

Improved finished product aesthetics

ExxonMobil™ PP7555KNE2 is a high impact copolymer resin (MFR 50 g/10 min) with low odor and flavor transfer characteristics ideal for thin-wall injection molding (TWIM) food applications.

Containers and cups made from this resin can be used for:

- Hot-fill applications
- Packaging food products stored at room temperature and in refrigerated conditions

### Typical TWIM food packaging applications using ExxonMobil PP7555KNE2 include:

- Dairy product containers
- Drinking cups
- Instant noodle cups
- Hot-filled food containers and cups
- Biscuit trays

### Cost reduction opportunities

Providing a combination of high melt flow, fast crystallization rate and easy mold release, the resin offers opportunities to improve cycle time and increase productivity.

### Improved finished parts

Because of the resin's anti-static property, finished products exhibit reduced dust accumulation for improved hygiene and enhanced shelf appeal.

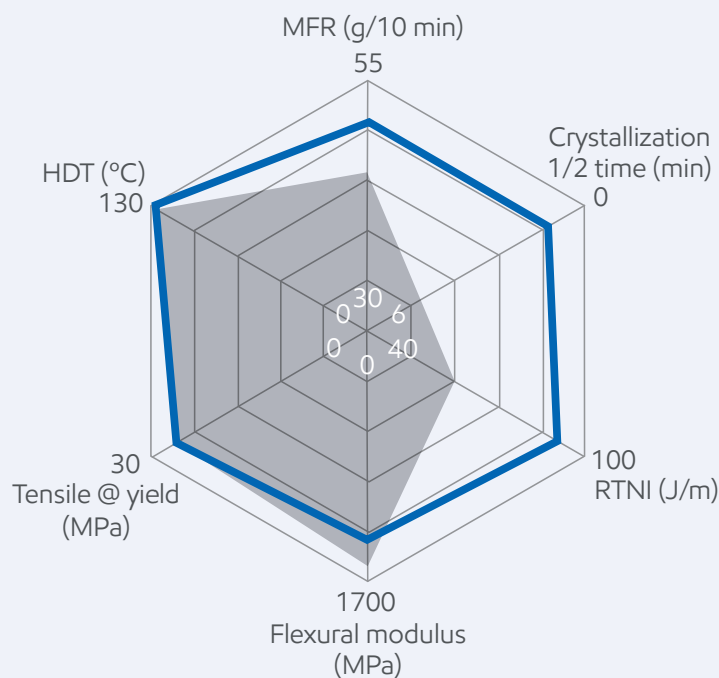
ExxonMobil PP7555KNE2 provides outstanding impact strength to improve package integrity and durability.

## Compared to industry grades, ExxonMobil™ PP7555KNE2 offers:

- Higher melt flow with significantly faster crystallization opportunities for reduced cycle times, increased production rates and reduced costs
- Excellent impact strength for highly durable products
- Low odor and flavor transfer matching industry benchmark



## Selected property data for ExxonMobil PP7555KNE2 and industry reference benchmark



— ExxonMobil PP7555KNE2    ■ Industry reference

\* Axis scale for crystallization 1/2 time is reversed. Lower value means shorter crystallization 1/2 time.

## Typical properties

ExxonMobil PP7555KNE2	Test conditions	Test based on ASTM method	Units	Typical value
Melt flow rate (MFR)	230°C/2.16 kg	D1238	g/10 min	50
Tensile strength at yield	51 mm/min	D638	MPa	25
Flexural modulus - 1% secant	1.3 mm/min	D790A	MPa	1340
Heat deflection temperature (HDT)	0.45 MPa - annealed	D648	°C	119
Notched Izod impact (RTNI)	23°C	D256A	J/m	94

Values given are typical and should not be interpreted as specifications.

Data generated by or on behalf of ExxonMobil.

ExxonMobil PP7555KNE2 is cleared for food contact applications.

Contact your ExxonMobil representative for potential food contact application compliance (e.g. FDA, EU, HPFB).



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