ExxonMobil™ PP7143KNE1

Polypropylene Impact Copolymer

Product Description

A high impact copolymer resin designed for consumer and industrial applications.

General

Features	▪ Good Colorability ▪ Good Dimensional Stability	▪ Good Mold Release ▪ Good Thermal Stability	▪ Medium Flow ▪ Nucleated
Uses	▪ Containers	▪ Industrial Applications	▪ Pallets
Appearance	▪ Natural Color		
Form(s)	▪ Pellets		
Processing Method	▪ Injection Molding		

Physical	Typical Value (English)		Typical Value (SI)		Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	10	g/10 min	ASTM D1238
Density	0.9	g/cm³	0.9	g/cm³	ExxonMobil Method

Mechanical	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Strength at Yield					ASTM D638
2.0 in/min (51 mm/min)	3040	psi	21.0	MPa	
Elongation at Yield (2.0 in/min (51 mm/min))	5.1	%	5.1	%	ASTM D638
Flexural Modulus - 1% Secant (0.051 in/min (1.3 mm/min))	159000	psi	1100	MPa	ASTM D790A

Impact	Typical Value (English)		Typical Value (SI)		Test Based On
Notched Izod Impact (73°F (23°C))	No Break		No Break		ASTM D256A
Gardner Impact					ASTM D5420
-20°F (-29°C), 0.125 in (3.18 mm), Geometry GC	299	in·lb	33.8	J	

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	196	°F	91.3	°C	ASTM D648

Legal Statement

This product, including the product name, shall not be used or tested in any medical application without the prior written acknowledgement of ExxonMobil Chemical as to the intended use.

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

Notes

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

[1] Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.