

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/cm ³	0.9 g/cm ³	ExxonMobil Method

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield 2.0 in/min (51 mm/min)	3040 psi	21.0 MPa	ASTM D638
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 -20°F (-29°C), 0.125 in (3.18 mm), Geometry GC	299 in-lb	33.8 J	ASTM D5420

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

