

Achieve™ Advanced PP6282NE1

Polypropylene Homopolymer

Product Description

A high melt strength homopolymer resin that provides uniform wall distribution in thin wall packaging applications and excellent processing characteristics in extrusion and thermoforming processes. Achieve™ Advanced PP6282NE1 has a broad processing window and can be run at fast cycle times.

General

Features	▪ Excellent Processability ▪ High Melt Strength	▪ High Stiffness ▪ Homopolymer	▪ Nucleated
Uses	▪ Cups ▪ Food Containers	▪ Lids ▪ Packaging	▪ Rigid Packaging
Appearance	▪ Natural Color		
Form(s)	▪ Pellets		
Processing Method	▪ Extrusion	▪ Sheet Extrusion	▪ Thermoforming

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.8 g/10 min	1.8 g/10 min	ASTM D1238
Density	0.900 g/cm ³	0.900 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)	5550 psi	38.3 MPa	ASTM D638
Elongation at Yield (2.0 in/min (51 mm/min))	7.7 %	7.7 %	ASTM D638
Flexural Modulus - 1% Secant 0.051 in/min (1.3 mm/min)	293000 psi	2020 MPa	ASTM D790A
0.51 in/min (13 mm/min)	333000 psi	2300 MPa	ASTM D790B

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact (73°F (23°C))	0.83 ft-lb/in	44 J/m	ASTM D256A

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	241 °F	116 °C	ASTM D648

Legal Statement

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

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. For detailed Product Stewardship information, please contact Customer Service.

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.