

Achieve™ Advanced PP6302E1

Polypropylene Homopolymer

Product Description

A high melt strength homopolymer with long chain branching that provides excellent processability in foamed applications.

General

Features	▪ Foamable ▪ High Melt Strength ▪ High Stiffness	▪ Long Chain Branching ▪ Regrind and Blending Performance ▪ Strain Hardening	▪ Thermal and Acoustic Insulation
Uses	▪ Automotive Applications ▪ Cap Liners ▪ Composites ▪ Compounding	▪ Construction Applications ▪ Heavy Transportation ▪ Material Handling ▪ Packaging	▪ Recyclable Food Packaging ▪ Reusable Durable Packaging ▪ Rigid Packaging
Appearance	▪ Natural Color		
Form(s)	▪ Pellets		
Processing Method	▪ Extrusion ▪ Foam Blow Molding	▪ Foam Extrusion ▪ Foam Injection Molding	▪ Injection Molding

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.9 g/10 min	1.9 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)	5710 psi	39.4 MPa	ASTM D638
Elongation at Yield (2.0 in/min (51 mm/min))	5.2 %	5.2 %	ASTM D638
Flexural Modulus - 1% Secant 0.051 in/min (1.3 mm/min)	296000 psi	2040 MPa	ASTM D790A
0.51 in/min (13 mm/min)	340000 psi	2340 MPa	ASTM D790B
Melt Strength (374°F (190°C))	0.402 N	0.402 N	ExxonMobil Method

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact (73°F (23°C))	0.88 ft-lb/in	47 J/m	ASTM D256A

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Peak Melting Temperature	329 °F	165 °C	ExxonMobil Method
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	253 °F	123 °C	ASTM D648

