ExxonMobil™ PP7694E2

Polypropylene Impact Copolymer

Product Description

A high crystallinity, medium impact copolymer resin with medium melt flow rate and excellent processing attributes. It is designed for applications requiring long-term heat-aging resistance and excellent finished part appearance.

General

Features	▪ Good Colorability ▪ Good Processability	▪ High Impact Resistance ▪ High Stiffness	▪ Low Warpage ▪ Thermal Aging Resistant
Uses	▪ Appliance Components	▪ Appliances	▪ Consumer Applications
Appearance	▪ Natural Color		
Form(s)	▪ Pellets		
Processing Method	▪ Compounding	▪ Injection Molding	

Physical	Typical Value (English)		Typical Value (SI)		Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	19	g/10 min	19	g/10 min	ASTM D1238
Density	0.900	g/cm³	0.900	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)	3560	psi	24.5	MPa	
Elongation at Yield (2.0 in/min (51 mm/min))	5.0	%	5.0	%	ASTM D638
Flexural Modulus - 1% Secant					
0.051 in/min (1.3 mm/min)	189000	psi	1300	MPa	ASTM D790A
0.51 in/min (13 mm/min)	212000	psi	1460	MPa	ASTM D790B

Impact	Typical Value (English)		Typical Value (SI)		Test Based On
Notched Izod Impact (73°F (23°C))	3.2	ft·lb/in	170	J/m	ASTM D256A
Gardner Impact					ASTM D5420
-20°F (-29°C), 0.125 in (3.18 mm), Geometry GC	193	in·lb	21.8	J	

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	212	°F	100	°C	ASTM D648