ExxonMobil™ PP7505KNE3

Polypropylene Impact Copolymer

Product Description

A medium to high impact copolymer designed for injection molded large consumer and industrial parts requiring high melt flow rate.

General

Features	▪ Balanced Stiffness/Toughness ▪ Fast Molding Cycle ▪ Good Colorability	▪ Good Mold Release ▪ Good Processability ▪ Good Surface Finish	▪ Good Thermal Stability ▪ High Flow ▪ Medium Impact Resistance
Uses	▪ Automotive Applications ▪ Consumer Applications	▪ Containers ▪ Household Goods	▪ Tool/Tote Box
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)	50	g/10 min	50	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)	2960	psi	20.4	MPa	
Elongation at Yield (2.0 in/min (51 mm/min))	3.8	%	3.8	%	ASTM D638
Flexural Modulus - 1% Secant					
0.051 in/min (1.3 mm/min)	152000	psi	1050	MPa	ASTM D790A
0.51 in/min (13 mm/min)	171000	psi	1180	MPa	ASTM D790B

Impact	Typical Value (English)		Typical Value (SI)		Test Based On
Notched Izod Impact (73°F (23°C))	2.2	ft·lb/in	120	J/m	ASTM D256A
Gardner Impact					ASTM D5420
-20°F (-29°C), 0.125 in (3.18 mm), Geometry GC	203	in·lb	22.9	J	

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	205	°F	96.2	°C	ASTM D648