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Product Datasheet

ExxonMobil™ PP7143KNE1

Polypropylene Impact Copolymer



Product Description

Hardness

Rockwell Hardness

A high impact copolymer resin de	signed for	consum	er and industri	aı applicatio	ons.			
General								
Availability 1		North	America					
Features		Good ColorabilityGood Dimensional Stability					Medium FlowNucleated	
		 Containers 					 Pallets 	
Appearance		Natura	al Color					
Form(s)		Pellets				7		
Processing Method			on Molding					
Revision Date			/2019					
Nevision Bate		07/27	72017					
Physical	_		Typical Value	(Enalish)	Typical Value	(SI)		Test Based On
Melt Mass-Flow Rate (MFR) (230	°C/2.16 ka			g/10 min	**	g/10 r	nin	ASTM D1238
Density	J.			g/cm³		g/cm³		ExxonMobil Method
				(-		()		
Mechanical			Typical Value	(English)	Typical Value	(SI)		Test Based On
Tensile Strength at Yield			20=2					ASTM D638
2.0 in/min (51 mm/min)				psi		MPa		
Tensile Stress at Yield	(,)		3020			MPa		ISO 527-2/50
Elongation at Yield (2.0 in/min (5	mm/min))		4.8		4.8			ASTM D638
Tensile Strain at Yield			4.7	%	4.7			ISO 527-2/50
Flexural Modulus - 1% Secant			4 / 4000					ſ
0.051 in/min (1.3 mm/min)			164000	•	1130			ASTM D790A
0.51 in/min (13 mm/min)			188000		1300			ASTM D790B
Flexural Modulus (0.079 in/min (2.0 mm/min))			166000	psı	1140	мРа	<u> 41 </u>	ISO 178
				/= 1. I.\		(51)		
mpact			Typical Value	(English)	Typical Value	(SI)		Test Based On
Notched Izod Impact			1 7	G. IL /:-	01	1/		ASTM D256A
0°F (-18°C)				ft·lb/in		J/m		
73°F (23°C)			No Break	L	No Break			100 100 /1 1
Notched Izod Impact Strength			2.0	ft·lb/in²	7.0	kJ/m²		ISO 180/1A
-40°F (-40°C) 73°F (23°C)				ft·lb/in²		kJ/m²		
· · · · · ·			24	1010/111	31	KJ/III-		ISO 179/1eA
Charpy Notched Impact Strength -4°F (-20°C)			17	ft·lb/in²	0.0	kJ/m²		130 179/ TEA
73°F (23°C)				ft·lb/in²		kJ/m²		
Gardner Impact			20	TC TD/ III	30	KJ/111		ASTM D5420
-20°F (-29°C), 0.125 in (3.18 m	m)		> 320	in·lh	> 36.2	ı		, WIND D3420
Geometry GC	//		7 320		> 30.2	,		
,								
Thermal			Typical Value	(English)	Typical Value	(SI)		Test Based On
Heat Deflection Temperature (1.80 MPa)			122		49.9			ISO 75-2/Af
Heat Deflection Temperature (0.45 MPa)			188	°F	86.4	°C		ISO 75-2/Bf
Deflection Temperature Under Lo at 66psi - Unannealed			203		94.9	°C		ASTM D648
DTUL (66 psi) - Annealed			236	°F	113	°C		ASTM D648

Effective Date: 09/27/2019 ExxonMobil Page: 1 of 2

Typical Value (SI)

Test Based On

ASTM D785

Typical Value (English)



ExxonMobil™ PP7143KNE1 Polypropylene Impact Copolyme

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.

For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

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