

Pakro Kimya Dış Ticaret A.Ş.

İstoç Ticaret Merkezi Aktem Plaza Kat:5 Daire:33 Bağcılar/İstanbul



Product Datasheet Achieve<sup>™</sup> Advanced PP7123KNE1 Polypropylene Impact Copolymer

## **Product Description**

A medium impact copolymer resin designed for appliance applications requiring high gloss and good stiffness.

General		A 1 B 10				
Availability <sup>1</sup>		Asia Pacific		<ul> <li>North America</li> </ul>		
		<ul><li>Good Processability</li><li>High Gloss</li></ul>		<ul><li>High Stiffness</li><li>Medium Flow</li></ul>	<ul> <li>Medium Impact Resistance</li> <li>Nucleated</li> </ul>	
		Appliance Components		<ul> <li>Appliances</li> </ul>	Consumer Applications	
Appearance		Natural Color				
Form(s)	-	Pellets				
Processing Method		Injection Molding				
Revision Date	0	09/29/2016				
		07/27/2010				
Physical		Typical Value	(English)	Typical Value	e (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230	)°C/2.16 ka)		g/10 min	/ I	g/10 min	ASTM D1238
Density		()	g/cm <sup>3</sup>		g/cm <sup>3</sup>	ExxonMobil Method
Mechanical		Typical Value	(English)	Typical Value	e (SI)	Test Based On
Tensile Strength at Yield						ASTM D638
2.0 in/min (51 mm/min)	-	4740			MPa	
Tensile Stress at Yield (73°F (23°		4470			MPa	ISO 527-2/50
Elongation at Yield (2.0 in/min (5	1 mm/min))	6.4			%	ASTM D638
Tensile Strain at Yield		5.8	%	5.8	8 %	ISO 527-2/50
Flexural Modulus - 1% Secant						
0.051 in/min (1.3 mm/min)		228000	psi		) MPa	ASTM D790A
0.51 in/min (13 mm/min)		260000	psi		MPa	ASTM D790B
Flexural Modulus (0.079 in/min (2.0 mm/min))		244000	psi	1680	) MPa	ISO 178
(0.079 11/1111 (2.0 11111/1111))						
Impact		Typical Value	(English)	Typical Value	e (SI)	Test Based On
Notched Izod Impact		.,,	(	.,,	()	ASTM D256A
0°F (-18°C)		0.50	ft·lb/in	27	′J/m	
73°F (23°C)		1.6	ft·lb/in	85	j J/m	
Notched Izod Impact Strength						ISO 180/1A
-22°F (-30°C)		1.2	ft·lb/in²	2.5	i kJ/m²	
-4°F (-20°C)		1.3	ft·lb/in²	2.7	′ kJ/m²	
32°F (0°C)		1.8	ft·lb/in²	3.8	8 kJ/m²	
73°F (23°C)		3.3	ft·lb/in²	6.9	kJ/m²	
Charpy Notched Impact Strength	1					ISO 179/1eA
-22°F (-30°C)		1.1	ft·lb/in²	2.4	kJ/m²	
-4°F (-20°C)		1.2	ft·lb/in²		6 kJ/m²	
32°F (0°C)		1.8	ft·lb/in²	3.7	/ kJ/m²	
73°F (23°C)		3.2	ft·lb/in²	6.8	8 kJ/m²	
Thermal		Typical Value		Typical Value		Test Based On
Heat Deflection Temperature (1.8		129			°C	ISO 75-2/A
Heat Deflection Temperature (0.4		216			°C	ISO 75-2/Bf
Deflection Temperature Under Lo at 66psi - Unannealed	oad (DTUL)	241			°C	ASTM D648
DTUL (66 psi) - Annealed		255	°F	124	°C	ASTM D648
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Optical		Typical Value	(English)	Typical Value		Test Based On
Gloss (60°)		89		89		ASTM D523

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# Achieve™ Advanced PP7123KNE1

Polypropylene Impact Copolymer

Hardness	Typical Value (English)	Typical Value (SI)	Test Based On
Rockwell Hardness	96	96	ASTM D785

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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.

<sup>1</sup> 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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