20212 659 26 03

Info@pakrokimya.com.tr

Product Datasheet

ExxonMobil™ PP7905E1

Polypropylene Impact Copolymer



Product Description

A high crystallinity, low impact strength copolymer resin designed for compounding base or injection molding applications requiring very high melt

now rate.						
General						
Availability 1		North America				
Features		High Flow		 High Stiffness 	• Nuclea	eted
Uses		Automotive Applicat	ions	 Compounding 		
Appearance		Natural Color	.01.0	- compositioning		
Form(s)		Pellets			_	
Processing Method					<u> </u>	
		Injection Molding				
Revision Date		12/01/2017				
Physical		Typical Value	(Enalish)	Typical Value	(SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/	(2 16 kg)		g/10 min		g/10 min	ASTM D1238
Density	2.10 kg/		g/cm ³		g/cm ³	ExxonMobil Method
Mechanical Programme Technology	,	Typical Value	(English)	Typical Value	(CI)	Test Based On
Tensile Strength at Break		4870	_	33.6		ASTM D638
Tensile Strength at Break		4640		32.0		ISO 527-2/50
Elongation at Break		3.8	•	3.8		ASTM D638
Tensile Strain at Break		4.3		4.3		ISO 527-2/50
Flexural Modulus - 1% Secant		4.3	70	4.3	70	130 327-2/30
0.051 in/min (1.3 mm/min)		272000	psi	1880	MDa	ASTM D790A
0.51 in/min (13 mm/min)		307000		2120		ASTM D790B
Flexural Modulus		264000		1820		ISO 178
(0.079 in/min (2.0 mm/min))		204000	bai	1620	IVIPa	130 178
		T : 1)/ 1	/E !: I \	T : 1)/ 1	(CI)	T . D . 10
mpact		Typical Value	(English)	Typical Value	(SI)	Test Based On
Notched Izod Impact		0.45	G. IL. /:-	2.4	1/	ASTM D256A
0°F (-18°C)			ft·lb/in		J/m	
73°F (23°C)		0.66	ft·lb/in	35	J/m	ICO 100/1 A
Notched Izod Impact Strength		1.1	ft·lb/in²	2.4	kJ/m²	ISO 180/1A
-40°F (-40°C)						
-4°F (-20°C)			ft·lb/in²		kJ/m ²	
73°F (23°C)		2.2	ft·lb/in²	4.7	kJ/m²	ICO 170/1 - A
Charpy Notched Impact Strength		0.77	ft·lb/in²	1.4	kJ/m²	ISO 179/1eA
-22°F (-30°C) -4°F (-20°C)			ft·lb/in²		kJ/m ²	
			ft·lb/in²		kJ/m ²	
32°F (0°C) 73°F (23°C)			ft·lb/in²		kJ/m²	
- · · ·		2.3	וניוט/ווו	J.3	KJ/III	ACTM DE 420
Gardner Impact -20°F (-29°C), 0.125 in (3.18 mm) Geometry GC	,	< 8.00	in·lb	< 0.904	J	ASTM D5420
- Fhermal		Typical Value	(Epolich)	Typical Value	(SI)	Test Based On
Heat Deflection Temperature (1.80 N	(Da)	Typical value		Typical value 59.4		ISO 75-2/Af
Heat Deflection Temperature (1.80 N		243		59.4		ISO 75-2/Bf
Deflection Temperature (0.45 N		243		117		ASTM D648
at 66psi - Unannealed	(DIUL)					A31M D648
DTUL (66 psi) - Annealed		264	°F	129	°C	ASTM D648
Hardness		Typical Value	(English)	Typical Value	(SI)	Test Based On
		- //	, 3)		,	
Hardness Rockwell Hardness		Typical Value 110	(English)	Typical Value 110	(SI)	Test Based ASTM D78

Effective Date: 12/01/2017 ExxonMobil Page: 1 of 2



ExxonMobil™ PP7905E1 Polypropylene Impact Copolymei

Additional Information

ASTM D638 & ISO 527-2/50: No Yield

Legal Statement

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.

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

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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