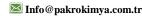


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Product Datasheet

Achieve™ Advanced PP8285E1





Product Description

A high crystallinity, high impact copolymer resin designed for injection molded applications requiring excellent processing attributes.

Availability 1	 Asia Pacific 		 North America 			
Features	Balanced Stiffness/ToughnessGood Impact Resistance		Good ProcessabilityHeat Aging Resistant	 Nucleated 	 Nucleated 	
Uses	 Appliance Compone 		 Automotive Applications 	 Industrial A 	pplications	
Appearance	Natural Color		· ·			
Form(s)	 Pellets 					
Processing Method	 Compounding 		 Injection Molding 			
Revision Date	• 01/01/2017					
Physical	Typical Value	(English)	Typical Value	(SI)	Test Based On	
Melt Mass-Flow Rate (MFR) (230°C/2.16 k		g/10 min		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	Typical value	(English)	Typical value	(51)	ASTM D638	
2.0 in/min (51 mm/min)	2940	psi	20.3	MPa	, 13 2 0 0 0	
Tensile Stress at Yield	2890			MPa	ISO 527-2	
Elongation at Yield	5.7	•	5.7	%	ASTM D638	
Tensile Strain at Yield	5.0	%	5.0	%	ISO 527-2	
Flexural Modulus - 1% Secant					1	
0.051 in/min (1.3 mm/min)	144000	psi	993	MPa	ASTM D790A	
0.51 in/min (13 mm/min)	164000	psi	1130	MPa	ASTM D790B	
Flexural Modulus (0.079 in/min (2.0 mm/min))	148000	psi	1020	MPa	ISO 178	
		(= 1, 1,)		(0)		
mpact	Typical Value	(English)	Typical Value	(SI)	Test Based Or	
Notched Izod Impact 0°F (-18°C)	1 7	ft·lb/in	00	J/m	ASTM D256A	
73°F (23°C)	1.7 No Break	IL·ID/III	No Break	J/III		
Notched Izod Impact Strength	NO DIEdk	<u> </u>	140 DIEdk		ISO 180/1A	
-4°F (-20°C)	3.2	ft·lb/in²	6.8	kJ/m²	.55 166/ TA	
73°F (23°C)		ft·lb/in²		kJ/m²		
Gardner Impact -20°F (-29°C), 0.125 in (3.18 mm), Geometry GC		in·lb	33.0		ASTM D5420	
,						
Thermal	Typical Value	(English)	Typical Value	(SI)	Test Based On	
Heat Deflection Temperature (0.45 MPa)	181	°F	82.8	°C	ISO 75-2/B	
Deflection Temperature Under Load (DTUI	L) 198	°F	92.0	°C	ASTM D648	

at 66psi - Unannealed

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.

This product is not intended for use in food contact application.

Notes

Typical properties: these are not to be construed as specifications.

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

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.

Achieve™ Advanced PP8285E1
Polypropylene Impact Copolymer



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

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