

# ExxonMobil™ PP7935E1

## Polypropylene Impact Copolymer

### Product Description

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

### General

Availability <sup>1</sup>	▪ Asia Pacific		
Features	▪ High Flow	▪ High Stiffness	▪ Nucleated
Uses	▪ Automotive Applications	▪ Compounding	
Appearance	▪ Natural Color		
Form(s)	▪ Pellets		
Processing Method	▪ Compounding	▪ Injection Molding	
Revision Date	▪ 12/03/2018		

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	60 g/10 min	60 g/10 min	ASTM D1238
Density	0.900 g/cm <sup>3</sup>	0.900 g/cm <sup>3</sup>	ExxonMobil Method

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield 2.0 in/min (51 mm/min)	4770 psi	32.9 MPa	ASTM D638
Tensile Stress at Yield	4410 psi	30.4 MPa	ISO 527-2/50
Elongation at Yield (2.0 in/min (51 mm/min))	5.0 %	5.0 %	ASTM D638
Tensile Strain at Yield	4.7 %	4.7 %	ISO 527-2/50
Flexural Modulus - 1% Secant 0.051 in/min (1.3 mm/min)	239000 psi	1650 MPa	ASTM D790A
0.51 in/min (13 mm/min)	271000 psi	1870 MPa	ASTM D790B
Flexural Modulus (0.079 in/min (2.0 mm/min))	241000 psi	1660 MPa	ISO 178

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact 0°F (-18°C)	0.42 ft-lb/in	22 J/m	ASTM D256A
73°F (23°C)	0.83 ft-lb/in	44 J/m	
Notched Izod Impact Strength -4°F (-20°C)	1.2 ft-lb/in <sup>2</sup>	2.6 kJ/m <sup>2</sup>	ISO 180/1A
32°F (0°C)	1.8 ft-lb/in <sup>2</sup>	3.8 kJ/m <sup>2</sup>	
73°F (23°C)	2.7 ft-lb/in <sup>2</sup>	5.6 kJ/m <sup>2</sup>	
Charpy Notched Impact Strength -4°F (-20°C)	1.2 ft-lb/in <sup>2</sup>	2.6 kJ/m <sup>2</sup>	ISO 179/1eA
32°F (0°C)	1.8 ft-lb/in <sup>2</sup>	3.8 kJ/m <sup>2</sup>	
73°F (23°C)	3.0 ft-lb/in <sup>2</sup>	6.3 kJ/m <sup>2</sup>	

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	132 °F	55.5 °C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	226 °F	108 °C	ISO 75-2/Bf
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	250 °F	121 °C	ASTM D648
DTUL @ 66psi - Annealed	261 °F	127 °C	ASTM D648

Hardness	Typical Value (English)	Typical Value (SI)	Test Based On
Rockwell Hardness	101	101	ASTM D785

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#### 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.

<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](http://www.exxonmobilchemical.com/ContactUs)

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