Rotterdam Olefins & Polyolefins B.V.
Aert van Nesstraat 45, 3012 CA
Rotterdam, The Netherlands

Technical Data Sheet : CertyForm E1233 (PL EP274P)

Polypropylene, Impact Copolymer

Product Description

The polymer grade is a nucleated polypropylene impact copolymer suitable for use in injection molding applications. Exhibits an excellent balance of stiffness and low ± temperature toughness.
Typically used in injection molding applications to produce medical products where high mechanical properties are required.

Information regarding regulatory status, including supported, prohibited, or restricted applications, is provided in the **Product Regulatory Summary** and the **Safety Data Sheet (SDS**).

General

Applications	Healthcare Applications; Medical Devices
Market	Healthcare
Processing Method	Injection Molding
Attribute	Ethylene Oxide Sterilisation; Impact Copolymer; Low Temperature Impact Resistance; Medium Flow
Internal ref. number	1Q357, BEN8872
Revision	Version 1 : June 2026

Properties.

Typical Properties	Nominal Value*	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	15	g/10 min	ISO 1133-1
Density, (23 °C)	0.90	g/cm^3	ISO 1183-1
Mechanical			
Tensile Modulus	952	MPa	ISO 527-1, -2
Tensile Stress at Yield	20	MPa	ISO 527-1, -2
Tensile Strain at Break	>50	%	ISO 527-1, -2
Tensile Strain at Yield	7	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	13	kJ/m^2	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	8	kJ/m^2	ISO 179
(23 °C, Type 1, Edgewise, Notch A)	5	kJ/m^2	ISO 179
Hardness			
Ball Indentation Hardness, (H 358/30)	45	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature, (A50)	142	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	78	°C	ISO 75B-1, -2

*)These are typical property values not to be construed as specification limits.

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Processing Techniques

Users should determine the conditions necessary to obtain optimum product properties and suitability of the product for the intended application.

Company Information

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