

# ECOLEN® HZ21X

Polypropylene Homopolymer  
HELLENIC PETROLEUM S.A.

Message:

ECOLEN® HZ21X is a polypropylene homopolymer, featuring:  
antigasfading properties  
long term thermal performance and  
excellent spinning performance.  
Typical applications for this grade are:  
continuous filaments (CF)  
bulk continuous filament (BCF)  
staple fibre (SF) for nonwovens and textiles

General Information	
Features	Gas-fading Resistant
	Good Thermal Aging Resistance
	Homopolymer
Uses	Filaments
	Nonwovens
	Staple Fibers
	Textile Applications
Forms	Pellets
Processing Method	Filament Extrusion
	Filament Winding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	32.0	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus	1450	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	30	J/m	ASTM D256

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Recommended distributors for this material

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