

## TROGAMID® eCO Impact 75

Impact everything.



Chemically  
Resistant  
Lightweight  
Ultra Strong

### High impact performance with unparalleled clarity and chemical resistance.

The ecological impact of our choices compels all of us to prioritize sustainable options – from our eyewear to our equipment, and all the items in between that support personal protection and security. Evonik offers products that not only perform, but have an eye on the future.

**TROGAMID® eCO Impact 75**



### A sustainable solution that makes a strong & clear statement.

Our mass balance production approach reduces environmental impact – but not mechanical properties. With transparency of 88 percent and superior chemical resistance, plus excellent impact crack & break resistance, you can be sure that **TROGAMID® eCO Impact 75 will deliver long-term durability and assure safety in your products.**

- 30% reduction of fossil resources



Scan to learn more about our mass balance approach.

## Unmatched light transmission and impact resistance for active lifestyle products

**TROGAMID® eCO Impact 75** is an impact-modified transparent polyamide for the manufacture of injection molded parts. It is supplied as cylindrical pellets in polyethylene packaging.

For injection molding, processing temperatures between 280°C and 300°C are recommended. Mold temperature should be within a range of 60°C to 80°C. It is recommended to dry the material in a dry-air dryer at a temperature of 80°C to 90°C for 8-12 hours before use. Pigmentation may affect property values.

### Physical properties

Mechanical Properties ISO	Value	Unit	Test Standard
Tensile modulus	160000	psi	ISO 527
Yield stress	6530	psi	ISO 527
Yield strain	7.5	%	ISO 527
Strain at break, $\epsilon_B$	>50	%	ISO 527
Charpy notched impact strength, +23°C	38.5	ftlb/in <sup>2</sup>	ISO 179/1eA
Type of failure	P	–	–
Charpy notched impact strength, -30°C	14.7	ftlb/in <sup>2</sup>	ISO 179/1eA
Type of failure	C	–	–
Flexural modulus, 23°C	168000	psi	ISO 178
Flexural stress at conv. deflection, 23°C	5950	psi	ISO 178
Flexural strain at flexural strength, 23°C	3.5	%	ISO 178
Mechanical Properties ASTM	Value	Unit	Test Standard
Izod notched impact strength, 23°C, A	16	ftlb/in	ASTM D 256 A
Type of failure	P	–	–
Izod notched impact strength, -30°C, A	14	ftlb/in	ASTM D 256 A
Type of failure	P(C)	–	–
Optical Properties	Value	Unit	Test Standard
Color L	95	–	CIE
Color a	-0.5	–	CIE
Color b	2	–	CIE
Haze	9	%	ASTM D 1003
Haze thickness tested	0.0787	in	–
Light Transmittance	88	%	ASTM D 1003
Light transmittance thickness tested	0.0787	in	ASTM D 1003



[trogamid.com](http://trogamid.com)

[plastics-database.com](http://plastics-database.com)

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