

TROGAMID® eCO Impact 75

Impact everything.



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

The ecological impact of our choices compels all of us to prioritize sustainable options – in our eyewear, our phones, our laptops and all the items essential to enhancing our active lifestyles. Evonik offers products that not only perform, but have an eye on the future.

TROGAMID® eCO Impact 75

**Chemically
Resistant
Lightweight
Ultra Strong**



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
- Crystal clear



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	1100	MPa	ISO 527
Yield stress	45	MPa	ISO 527
Yield strain	7.5	%	ISO 527
Strain at break, ϵ_B	>50	%	ISO 527
Charpy notched impact strength, +23°C	81	kJ/m ²	ISO 179/1eA
Type of failure	P	–	–
Charpy notched impact strength, -30°C	31	kJ/m ²	ISO 179/1eA
Type of failure	C	–	–
Flexural modulus, 23°C	1160	MPa	ISO 178
Flexural stress at conv. deflection, 23°C	41	MPa	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	854	J/m	ASTM D 256 A
Type of failure	P	–	–
Izod notched impact strength, -30°C, A	747	J/m	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	2	mm	–
Light Transmittance	88	%	ASTM D 1003
Light transmittance thickness tested	2	mm	ASTM D 1003



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