TROGAMID® eCO Impact 75

PAPACM12-I — Evonik Operations GmbH

Product Texts

High impact-resistant, transparent polyamide compound

TROGAMID® eCO Impact 75 is an impact-modified transparent polyamide for the manufacture of injection molded parts.

TROGAMID® eCO Impact 75 is supplied as cylindrical pellets in polyethylene packaging.

For injection molding, processing temperatures between 280°C and 300°C are recommended.
The 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 to 12 hours before use.

The results presented were generated from a small number of production lots. They are therefore provisional and not yet the result of a statistical analysis.

Pigmentation may affect property values.

For general information on the processing and storage of TROGAMID®, please visit our website "Processing of TROGAMID® compounds".

The values presented are typical or average values, they do not constitute a specification.

FOR FURTHER INFORMATION PLEASE CONTACT US AT EVONIK-HP@EVONIK.COM
OR VISIT OUR PRODUCT AT WWW.TROGAMID.COM

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
[C] Melt volume-flow rate, MVR	**12**	cm³/10min	ISO 1133
Temperature	**280**	°C	-
Load	**2.16**	kg	-
[C] Molding shrinkage, parallel	**0.6**	%	ISO 294-4, 2577
[C] Molding shrinkage, normal	**0.7**	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**1100**	MPa	ISO 527
[C] Yield stress	**45**	MPa	ISO 527
[C] Yield strain	**7.5**	%	ISO 527
[C] Charpy impact strength, +23°C	**N**	kJ/m²	ISO 179/1eU
[C] Charpy impact strength, -30°C	**N**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**81**	kJ/m²	ISO 179/1eA
[C] Charpy notched impact strength, -30°C	**31**	kJ/m²	ISO 179/1eA
[C] Type of failure	**C**	-	-

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
[C] Melting temperature, 10°C/min	**245**	°C	ISO 11357-1/-3
[C] Burning Behav. at 1.5 mm nom. thickn.	**HB**	class	IEC 60695-11-10

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80 - 90**	°C	-
Pre-drying - Time	**8 - 12**	h	-
Melt temperature	**280 - 300**	°C	-
Mold temperature	**60 - 80**	°C	-

Characteristics

Processing
Injection Molding

Delivery form
Pellets

Special Characteristics
High impact or impact modified, Transparent

Regional Availability
North America, Europe, Asia Pacific, South and Central America, Near East/Africa