TER Plastics



Arnitel® EL250 TPC Envalior **Product Texts** Injection Molding, Food Contact Quality ISO 18064 TPC-ET Unit **Test Standard Rheological properties** Value **ISO Data** Melt volume-flow rate, MVR cm³/10min 48 ISO 1133 230 °C Temperature -Load 2.16 kg _ Mechanical properties Unit **Test Standard** Value **ISO Data** Charpy impact strength, +23°C Ν kJ/m² ISO 179/1eU Charpy impact strength, -30°C kJ/m² ISO 179/1eU Ν ISO 179/1eA Charpy notched impact strength, +23°C Ν kJ/m² Charpy notched impact strength, -30°C Ν kJ/m² ISO 179/1eA Tensile notched impact strength, +23°C Ν kJ/m² ISO 8256/1 Stress at 10% elongation 2.1 MPa ISO 527 Stress at 100% elongation 5.1 MPa ISO 527 Strain at break TPE >300 % ISO 527 Stress at break TPE MPa ISO 527 15 Shore A hardness, 3s 85 _ ISO 7619-1 **Thermal properties** Value Unit **Test Standard ISO Data** °C Melting temperature, 10°C/min 180 ISO 11357-1/-3 -80 °C ISO 11357-1/-2 Glass transition temperature, 10°C/min Coeff. of linear therm. expansion, parallel 220 E-6/K ISO 11359-1/-2 Coeff. of linear therm. expansion, normal 220 E-6/K ISO 11359-1/-2 Burning behav. at 1.5 mm nom. thickn. HΒ IEC 60695-11-10 class Thickness tested 1.5 mm Yellow Card available _ yes **Test Standard Electrical properties** Value Unit ISO Data Volume resistivity 5E12 Ohm*m IEC 62631-3-1 Other properties Value Unit **Test Standard ISO Data** Water absorption 0.8 % Sim. to ISO 62 1080 ISO 1183 Density kg/m³ **Rheological calculation properties** Unit **Test Standard** Value **ISO Data** 905 Density of melt kg/m³

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| Arnitel® EL250 | | |
|--|----------------|----------|
| TPC | | Envalior |
| | | |
| Injection Molding | | |
| Injection Molding Recommendations | | |
| Steel recommendations for molds screws and barrels | | |
| Trouble shooting guideline for injection molding | | |
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| Oberniael Madia Decistence | | |
| | | |
| Under south and | | |
| nyarocarbons | | |
| ••• | Toluene (23°C) | |
| - | | |
| Ketones | | |
| | Acetone (23°C) | |
| \bigcirc | | |
| 0.1 | | |
| Other | | |
| ••• | Water (23°C) | |
| 0 | | |

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