

O8000-13 TPE (TPO)

TPE (TPO) – The O8000-13 is a thermoplastic elastomer (TPE) which is polyolefin (PP) based, hence also named thermoplastic polyolefin (TPO). It combines the high impact strength of elastomers with the stability and processability of a thermoplastic material. The sheets are easy to thermoform and to fabricate. The material can be recycled like all thermoplastic materials.

ALSO AVAILABLE IN:

- O8003-13, with a UV stability package that makes it suitable for outdoor use applications.

RECYCLING

Our total recycling concept (TRC), is a major advantage in today's environmentally friendly market. The TRC concept covers all types of sheets to provide you with cost saving. Off-cuts from the sheets can be used in production of new sheets by co-extruding virgin material as the top layer. Care is taken that all quality requirements are met.

O8000-13 TPE (TPO) BENEFITS:

- Very high impact strength at low temperatures
- Good chemical and abrasion resistance
- Good noise damping properties
- Easy thermoforming
- Good weathering performance with uv stabilized version

APPLICATION AREAS:

Thermoformed parts for very tough outdoor automotive applications.

DELIVERY PROGRAM:

Standard size: 1250 x 2050 mm

Max width: 1250 mm others upon request

Thickness range: 2 – 8 mm

Colours: Black and grey, others upon request

Embossing: 00/00, 00/35, 00/40, 00/55

O8000-13 TPE (TPO) TECHNICAL SPECIFICATIONS

Property	Value	Unit	Standard
Mechanical properties			
Izod impact, notched +23°C	65	KJ/m ²	ISO 180
Flexural modulus	800	MPa	ISO 178
Elongation at break	300	%	ISO 527
Tensile Stress at Yield	19	MPa	ISO 527
Izod Impact, notched -23°C	60	KJ/m ²	ISO 180/1A
Charpy Impact, notched +23°C	60	KJ/m ²	ISO 179-1eA
Charpy Impact, notched -20°C	8	KJ/m ²	ISO 179-1eA
Physical properties			
Density	0,90	g/cm ³	ISO 1183
Thermal properties			
Vicat softening temperature	135	°C	ISO 306

Properties reported here are typical values. Arla Plast makes no representation that the material in any particular shipment will conform exactly to the values given. The above information is based upon experience and given in good faith. Due to many factors which are outside our knowledge and control, no warranty is given or is to be implied with respect to such information. Detailed product specification and technical manual/information is available on request.