

THERMODET®

HIPS & Special Products Plastic Sheets

Composite sheets of high impact resistant polystyrene (HIPS) are characterized by very easy processing properties and are also modifiable in various ways for specific requirements, e.g. HIPS+PE-Blend. On request MITRAS MATERIALS also manufactures special products with specific properties according to customers' requests.

F.1 THERMODET®

HIPS

Sheets of high impact resistant polystyrene are available in different versions e.g. with different gloss levels of the surface, an increased stress cracking resistance, UV-stabilization or corona treatment.

Examples for application:

sports equipment, roof boxes, case covers, displays



F.2 THERMODET®

HIPS+PE-Blend

Sheets of a special compound of high impact polystyrene and polyethylene, with excellent low temperature tenacity and very good resistance to chemicals.

Examples for application:

caravan interior parts, shower trays, suitcase shells, transportations trays

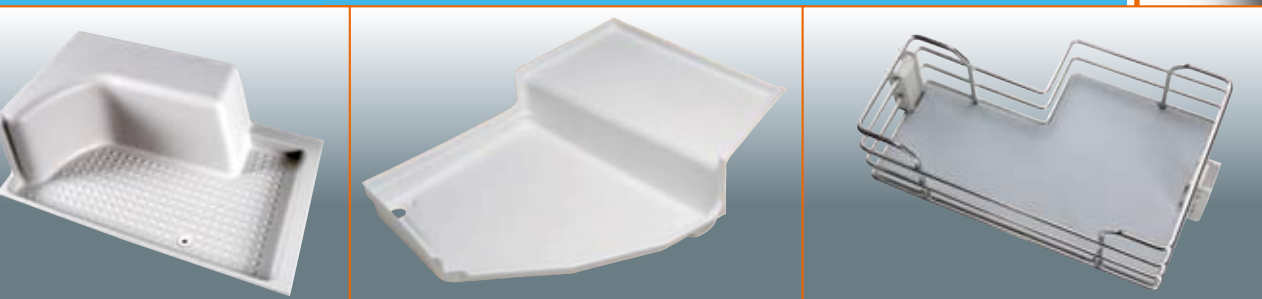
F.3 THERMODET®

TPE/HIPS

Sheets of high impact HIPS with a matt TPE top layer. TPE/HIPS is an economical option to TPU/ABS with an anti-slipping and soft-touch effect. TPE/HIPS disposes of excellent thermoforming and recycling properties.

Examples for application:

anti-slipping inserts, covering elements, packaging units



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F.4 THERMODET®

Film lamination

Sheets of ABS, ABS+PC-Blend or HIPS, laminated with matt or glossy decorative films for different applications. Different decorative design films on request, also with embossed surface.

Examples for application:

tuning parts, roof cases, caravan interior parts, door panels

F.6 THERMODET®

ABS+PC-Blend

Sheets of ABS+PC-Blend with different gloss levels of the surface, increased heat resistance and an excellent impact resistance. On request also as co-extrusion with PMMA or ASA.

Examples for application:

utility vehicles, automotive parts

F.5 THERMODET®

marking colour stripe

Sheets of ABS or HIPS which are marked with a colour stripe for a better identification of thermoformed parts of every type.

Examples for application:

vessel technique, transportation trays

Material	Surface	Thickness (standard)	Width (standard)	
F.1 THERMODET® HIPS	semi-gloss to matt	smooth/embossed	1.50 – 10.00 mm (sheet)	up to 1250 mm
F.2 THERMODET® HIPS+PE-Blend	matt	smooth/embossed	1.50 – 10.00 mm (sheet)	up to 1250 mm
F.3 THERMODET® TPE/HIPS	matt	embossed	1.50 – 8.00 mm (sheet)	up to 1250 mm
F.4 THERMODET® Film lamination	gloss to matt	smooth/embossed	1.50 – 5.00 mm (sheet)	up to 1100 mm
F.5 THERMODET® Marking colour stripe	gloss to matt	smooth/embossed	2.00 – 10.00 mm (sheet)*	up to 1250 mm
F.6 THERMODET® ABS+PC-Blend	semi-gloss to matt	smooth/embossed	on request	on request
More delivery forms, colours or tech. data sheets on request. Specifications based on tech. development, subject to modifications				* width of colour stripe: 50 mm

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* width of colour stripe: 50 mm