



Dow Hyperlast

engineering polyurethane excellence

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DIPRANE™ and HYPERLAST™
Cast and Sprayable
elastomer overview



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DIPRANE™ and HYPERLAST™ castable systems

Castable systems

- MDI Quasi and full pre-polymers
- Tough and durable
- Excellent wear and tear properties
- Solvent resistance range
- Anti-static and fire retardant

HYPERLAST™	100	200	5137
Hardness Shore A	60-95	35-95	90
Ambient processing	x	⊞	x
Hand process	✓	⊞	✓
Machine process	■	■	■
3 Component	✓	x	x
Hydrolysis resistant	⊞	⊞	⊞
Solvent resistant	x	x	x
Fire retardant	x	x	x
Anti-static	x	x	x
Cold flexible	■	■	■
Abrasion resistant	■	✓	■
Dynamic/Resilient	⊞	✓	⊞
Tear Resistant	■	✓	■

⊞ Excellent ■ Very Good ✓ Good x Unsuitable

DIPRANE™	30	53	54	55	60	80	58
Hardness Shore A	55-95	25-95	25-95	55-85	75-90	85	50-90
Ambient processing	x	x	x	x	x	x	x
Hand process	✓	✓	■	✓	x	✓	✓
Machine process	■	■	■	■	■	■	■
3 Component	✓	✓	✓	✓	x	x	■
Hydrolysis resistant	✓	✓	✓	✓	✓	✓	✓
Solvent resistant	⊞	✓	✓	✓	✓	✓	✓
Fire retardant	x	x	x	x	⊞	x	x
Anti-static	x	x	x	x	⊞	x	x
Low temperature flex	✓	✓	✓	✓	✓	✓	✓
Abrasion resistant	■	⊞	■	⊞	■	⊞	⊞
Dynamic/Resilient	✓	■	✓	✓	✓	■	✓
Tear Resistant	■	■	■	⊞	■	■	⊞

Castable polyurethane elastomers

DIPRANE™ and HYPERLAST™ sprayable systems

Sprayable systems

- Customised polyurethane systems
- Choice of colours
- Solvent free
- High build
- Abrasion resistant
- Hydrolysis resistance
- Plural component - high/low pressure
- Tough and durable

DIPRANE™	S1011	S90	S1025
Hardness Shore A	85	85	90
Ambient processing	x	x	■
Onsite Process	x	x	x
Ratio 1:1 (Vol)	x	⊞	x
High Pressure apply	x	■	✓
Low Pressure apply	■	✓	■
Hydrolysis resistant	✓	✓	✓
Fire retardant	x	x	⊞
Cold flexible	✓	✓	✓
Abrasion resistant	⊞	⊞	✓
Tear Resistant	■	■	■

⊞ Excellent ■ Very Good ✓ Good x Unsuitable

HYPERLAST™	S405	S408	S676	S688	S100	S153	3448
Hardness Shore A	80	90	70	85	85	80	60D
Ambient processing	■	■	■	x	x	■	■
Onsite Process	x	x	x	x	x	⊞	x
Ratio 1:1 (Vol)	x	x	x	x	⊞	⊞	x
High Pressure apply	x	x	x	✓	■	■	x
Low Pressure apply	■	■	■	■	✓	✓	■
Hydrolysis resistant	⊞	⊞	⊞	⊞	⊞	⊞	⊞
Fire retardant	x	x	x	x	x	x	x
Low temperature flex	■	■	■	■	■	■	■
Abrasion resistant	✓	✓	✓	⊞	⊞	✓	✓
Tear Resistant	✓	✓	✓	■	■	✓	■

Sprayable polyurethane elastomers