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Thermoplastic Elastomers

Base polymer common name	Abbreviation acc. To ISO 1629	Type	Mechanical properties			Temperature behaviour			Chemical resistance			Other aspects	
			Tensile strength	Compression set at 100 °	Hardness Shore A	Low temperatur	Short tem high temperature	Long term high temperature	Mineral oil	Alitatic hydrocarbons	Hot water	Hydrolyse	Weather resistance
Polyetheramide	TPE-A		●●●● ●●	60	75	●●	145	130	●●●● ●●	●●	●●	●●	●●●●
Polyetherester	TPE-E		●●●● ●●	40	72	●●●	125	110	●●● ●●●	●	●	●●●●	●●
Olefin blend	TPE-O	EP/PPO	●●● ●	65	75	●●	110	95	● ●	●●●●	●●●●	●●●●	●●●●
Styrene block polymer	TPE-S	SEBS	●● ●●	10	70	●●●	110	85	● ●	●●●●	●●●●	●●●●	●●●●
Polyurethan	TPE-U		●●●● ●●	70	85	●●	120	100	●●●● ●●	●●	●●	●●	●●
Crosslinked olefin blend	TPE-V	NBR/PPO	●● ●●●	75	ADJ	●●●	115	100	●●●● ●●●	●●	●●	●●●●	●●●●
		EPDM/PPO	●● ●●●	35	75	●●●	130	110	●● ●	●●●●	●●●●	●●●●	●●●●

ADJ = adjustable

The tabulated values are purely for your guidance.

Additional information will be supplied upon request by our engineering.

Compounds: For most of the above mentioned materials it is possible to make compounds with one or more improved properties in comparison with the standard material.

Performance:

- Poor
- Sufficient
- Reasonable
- Good
- Excellent