

TPE classes

Morphology of thermoplastic elastomers/TPE		
Classes:	Block-Copolymers	Polyblends
Structure:	Alternating soft and hard blocks	Polyblends with separate phases Elastomer phase (vulcanized or not vulcanized) in thermoplastic matrix
Members:	TPE-S (Styrene Block Copolymers) TPE-E (Thermoplastic Copolyesters) TPE-U (Thermoplastic Polyurethanes) TPE-A (Polyether Block Amides)	TPE-O (Thermoplastic Polyolefines, elastomer phase not vulcanized) TPE-V (Thermoplastic Vulcanizate, elastomer phase vulcanized)
Depending on their chemical basis, the individual classes reveal entirely different characteristics.		