



<u>TPE group</u>	<u>base polymer</u>	<u>advantages</u>	<u>disadvantages</u>
TPE-S	styrene	high transparent wide hardness range (<1 up to 95 Shore A) low density (0.9) good chemical resistance easy processing UV resistance	oil/grease resistance temperature resistance >100°C compression set at 100°C
TPE-U	polyurethane	surface properties abrasion resistance	processing difficult expensive high density limited chemical resistance limited in hardness (>75 Shore A) UV resistance
TPE-E	polyester	good fatigue properties chemical resistance	expensive hardness in Shore D area
TPE-A	polyamide	chemical resistance	hardness mainly in Shore A area very expensive UV resistance
TPE-O	polyolefine/rubber non-crosslinked	relatively cheap low density possible	temperature resistance smell compression set
TPE-V	polyolefine/rubber crosslinked	compression set at 100°C chemical resistance well accepted in market	not transparent

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The above properties are only a guideline and should be interpreted as standard typical values. We do not hold any responsibility. For specific information about processing your specific material please contact our offices.