

THE TPE GROUPS COMPARED BY THEIR ADVANTAGES AND DISADVANTAGES

TPE group	base polymer	advantages	disadvantages
TPE-S	styrene	high transparant 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 abbrasion 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 transparant



4KFLEX® is een van de meest verkochte TPE-compounds in Nederland. Al onze 4KFLEX® TPE-Compounds worden door onszelf ontwikkeld en in Nederland geproduceerd. Daarmee garanderen wij snelle levertijden, korte communicatielijnen en snelle service.