

FULXUS[®] STYRENE Elastomer

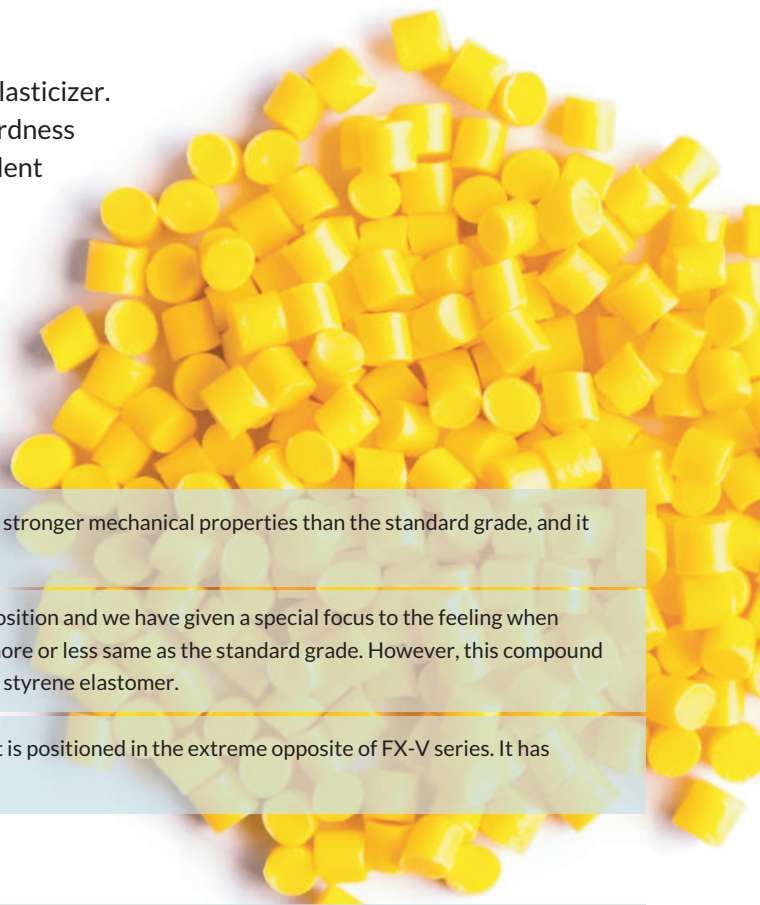
High-functionality compound product [FULXUS[®]]



Styrene Elastomer

Soft grade having simple composition made of SEBS, PP and plasticizer. It can be used for various applications including items with hardness A10 through 90 and more. Its salient features are, it has excellent rubber elasticity and expansive force, and it has outstanding cold resistance, heat deterioration resistance, and weather resistance. Because it is colorless, any color can be applied. It is most suitable for camouflage and it is light weight compared to vulcanized rubber.

[Application] Golf grip / office equipment / shaving grip / toothbrush grip / packing / automobile parts etc.



FX-K Series	Use of super-high-molecular SEBS polymer gives stronger mechanical properties than the standard grade, and it has excellent tensile strength and stretch.
FX-V Series	In this grade, we have used our indigenous composition and we have given a special focus to the feeling when touched with hands. Its physical properties are more or less same as the standard grade. However, this compound has smooth feeling not found in the conventional styrene elastomer.
FX-G Series	This is specialized grade with excellent grip and it is positioned in the extreme opposite of FX-V series. It has stickiness and it is suitable for anti-slip etc.

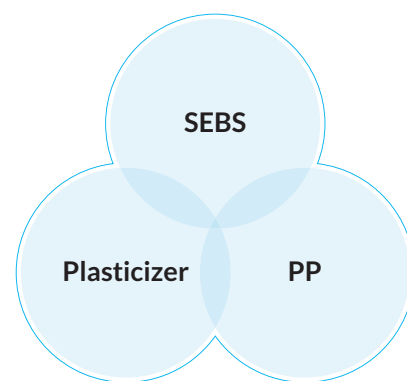
Specialized Grade

FX-BON Series	This is specialized grade with focus on adhesiveness with resins. It has high adhesiveness due to composition suitable for PP, PS, ABS, and the like.
FX-SB Series	By changing the base resin from SEBS to SBS, low cost products can be manufactured. However, it has low weather resistance, and therefore it is not suitable for outdoor use.
FX-TA Series	This is a special grade for adhesiveness with tape. Styrene elastomers have poor adhesiveness with tape, and FX-TA series offers better adhesiveness with tape.

Data Seat

Styrene Elastomer Data Seat	FX-140	FX-160	FX-180
Hardness	40	60	80
MFR g/10min (190°C 5.0kg)	11	8	15
Tensile strength MPa	5	8	15
Percentage elongation %	1000	800	650
100% modulus MPa	0.6	1.7	4

Structure



We also offer acrylic, urethane grade, and functionality imparting grade. Please feel free to discuss physical properties adjustment, color matching, and the like.

