

Trinseo TPE For automotive exterior applications

MEGOL™ and APIGO™ for wheel arches and mud flaps

With **MEGOL™ TPS-SEBS** and **APIGO™ TPO K.D. Feddersen** provides weather-resistant TPE grades with high impact and scratch resistance, which are widely used for automotive exterior parts such as wheel arches and mud flaps. The materials are characterised by following properties:

- Wide range of Shore hardness (35 Shore A–93 Shore A)
- Good elasticity over temperature (especially cold flexibility)
- High durability
- Different viscosities available:
MFI = 30–80 g/10 min (190 °C/230 °C; 21.18N) according to ASTM D1238

Materials approved and data packages available.



Mud flap



Wheel arch

Why Trinseo TPE?

The challenges when producing automotive exterior parts are many and varied. Some targets are e.g.:

- To achieve short cycle times
- Complete filling of parts with big cross-sections or long flow paths
- Good demouldability of the injection-moulded parts

People. Think. Plastics.

With **Trinseo TPE**, K.D. Feddersen always provides you with the right, flexible material solution.

Benefit from our application-technical support. We aim to meet your requirements with the right material, service and customised logistics concepts.

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OEM-Listings of Trinseo TPE

Material	Application	Hardness Shore A	OEMs	Norm	Application area	Adhesion onto
MEGOL™ DP2722/3/90 UVR	Wheel arches	90	FORD	WSS M2D505-A5 WSS M99P1111-A (ASL approval)	visible	PP
MEGOL™ DP2722/140 UV	Mud flaps	35	FORD	WSS M98P13-C WSS M99P1111-A	visible	-
APIGO™ E350	Mud flaps	54	HONDA	n.a.	visible	-

Properties of Trinseo TPE

Material	Application	Hardness Shore A	Tensile [MPa]	Elongation [%]	Izod -20 °C	Scratch FLTM BO 162-01	Weathering resistance
MEGOL™	Wheel arches UV-resistant, scratch-resistant, cold flexibility	90	13	700	NB	1 (7N)	3,000 MJ/m ² dE <1.0
APIGO™ MEGOL™	Mud flaps UV-resistant, scratch-resistant, cold flexibility	93	9	500	NB	1 (7N)	3,000 MJ/m ² dE <1.0

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