KRAIBURG TPE
CUSTOM ENGINEERED TPE AND MORE

FACT SHEET

High Resistance TPE for Cosmetics

CONSUMER

Our Know-how – Your Advantage

High Resistance TPE for Cosmetics (VS/FC/CR series) is the COPEC®-based material solution for packaging requirements. The compounds are characterized by chemical resistance to common substances used in cosmetic products, such as isododecane. They are available in natural colors and can be colorized in many ways.

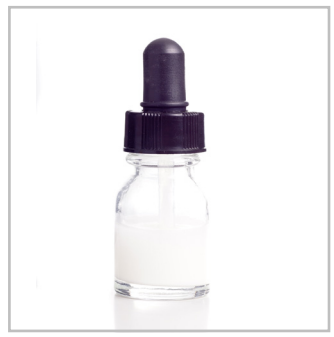
- Resistance to isododecane and sebum
- Optimized mechanical properties
- Abrasion resistance
- Hardness from 65 Shore A to 45 Shore D
- Demolding / Processing
- Adhesion to TPC, PETG and COPEC®
- Materials are compliant to
  - » REACH
  - » RoHS
  - » Regulation (EU) No 10/2011
  - » US FDA CFR 21 (raw material conformity)
  - » Mercosur N°39/19
  - » ISO 10992-23 (Skin irritation)
  - » EN 71-3
- Free from animal ingredients
- In-process recycling possible
- Colorable

Application Specialist Dirk Olberding

"Over decades, our TPEs have established themselves in the field of cosmetic packaging and applications. After thorough testing phases, we now also offer mature alternatives for water-resistant cosmetics, with a unique combination of chemical resistance and good processability."

Typical Applications

- Cosmetic packaging
- Lip gloss applicators
- Mascara brushes
- Cosmetic wipers
- Droppers



Technical Data

		TF7STE FC/CS series	TF7FMA FC/AD1 series	NEW CF7DJG-NTRL VS/FC/CR series
Hardness	Sh A	75	67	75
Density	g/cm³	0.890	1.100	1.150
Tensile Strength	MPa	13.0	4.5	11.0
Elongation at Break	%	750	500	660
Tear Resistance	N/mm	27.5	18.5	22.0
Flow Spiral [760 bar, 200 °C]	cm	68	24	51
Isododecane resistant [14 days, 40 °C]		-	-	✔
CS 72 h / 23 °C	%	35	32	38
Regulation (EU) No 10/2011		✔	✔	✔
US FDA CFR 21		raw material	raw material	raw material

TALK TO OUR EXPERTS!

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