



Hifax TKC 5480X

Compounded Polyolefin

Product Description

"Hifax" TKC 5480X is a medium flow, 10% mineral filled, high impact polypropylene copolymer suitable for injection molding. The grade has been specifically designed for molding large complex parts that require a high impact strength as well as a good stiffness. This grade is available in custom color, pellet form.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe
Features	Flow, Medium, Impact Resistance, High
Typical Customer Applications	Bumpers

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.97	g/cm³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	14	g/10 min
Mechanical			
Tensile Stress at Yield (50 mm/min)	ISO 527-1, -2	16	MPa
Tensile Strain at Break (50 mm/min)	ISO 527-1, -2	100	%
Flexural modulus (Secant)	ISO 178	1350	MPa
Impact			
Notched izod impact strength	ISO 180		
(23 °C, Type 1, Notch A)		50	kJ/m²
(-20 °C, Type 1, Notch A)		8	kJ/m²
(-30 °C, Type 1, Notch A)		6	kJ/m²
Thermal			
Vicat softening temperature (A50 (50°C/h 10N))	ISO 306	125	°C
CLTE, Flow	ISO 11359-1, -2	8.0E-005	cm/cm/°C
Additional Information			
Mold shrinkage	ISO 294-4	0.75 to 1.1	%

Notes

Typical properties; not to be construed as specifications.

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Unless specifically indicated, the grades mentioned are not suitable for applications in the pharmaceutical/medical sector.

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