

# Hifax TKC 5480X

Polypropylene Copolymer

LyondellBasell Industries

## Message:

"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.

General Information			
Filler / Reinforcement	Mineral,10% Filler by Weight		
Features	Good Stiffness		
	High Impact Resistance		
	Medium Flow		
Uses	Automotive Bumper		
Appearance	Colors Available		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.970	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14	g/10 min	ISO 1133
Molding Shrinkage	0.75 to 1.1	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	16.0	MPa	ISO 527-2/50
Tensile Strain (Break)	100	%	ISO 527-2/50
Flexural Modulus - Secant	1350	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-30°C	6.0	kJ/m <sup>2</sup>	
-20°C	8.0	kJ/m <sup>2</sup>	
23°C	50	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	125	°C	ISO 306/A50
CLTE - Flow (-30 to 80°C)	8.0E-5	cm/cm/°C	ISO 11359-2

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