

# Hifax TYC 459X BLACK

Polypropylene Copolymer

LyondellBasell Industries

## Message:

Hifax TYC 459X Black is a 23% talc filled PP copolymer, with very low shrinkage, high flowability, good impact/stiffness balance for painted automotive exterior applications. Product is available in black color, pellet form.

For regulatory compliance information, see Hifax TYC 459X BLACK Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

This grade is not intended for medical, pharmaceutical, food and drinking water applications.

General Information			
Filler / Reinforcement	Talc filler, 23% filler by weight		
Features	Rigidity, high		
	Copolymer		
	Impact resistance, good		
	Sprayable		
	High liquidity		
	Low shrinkage		
Uses	Automotive exterior parts		
	Car exterior decoration		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.05	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	28	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	18.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	30	%	ISO 527-2
Flexural Modulus <sup>1</sup> (23°C)	2000	MPa	ISO 178/A
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	5.0	kJ/m²	ISO 179/1eA
23°C	35	kJ/m²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	110	°C	ISO 75-2/B
Vicat Softening Temperature	125	°C	ISO 306/A
NOTE			
1.	1.0 mm/min		

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