

## TECHNICAL DATA SHEET

# Monprene® IN-23050 XRD

Teknor Apex Co.

TPS-X

**Processing**

Pipe/tube extrusion, Profile extrusion, Other extrusion

**Delivery Form**

Pellets, Black

**Special Characteristics**

Light stabilized or stable to light, U.V. stabilized or stable to weather, Opaque

**Features**

Melt strength

**Applications**

Building construction

## Product Text

**Product Information**

Preliminary Data

The Monprene IN-23000 series of TPS compounds are UV stable, easily colorable, and exhibit excellent surface aesthetics and sealability. These materials are designed for extrusion and can be easily co-extruded with PP or other stiffer TPE backbone, making them suitable for seals in window profiles.

Adheres to PP

Property	Value	Unit	Standard
Apparent Viscosity (200 °C, 206 1/s)	250	Pas	ASTM D3835
Processing/Physical Characteristics		Value Unit	Standard
Melt flow index, MFI	3	g/10min	ASTM D 1238
Temperature	200	°C	
Load	5	kg	
Mechanical Properties		Value Unit	Standard
Modulus at 100% elongation	1.38	MPa	ASTM D 412
Shore A hardness	50		ASTM D 2240
Tensile strength at break	8.62	MPa	ASTM D 412
Elongation at break	800	%	ASTM D 412

# Monprene® IN-23050 XRD

Teknor Apex Co.

Other Properties	Value	Unit	Standard
Density	1180	kg/m <sup>3</sup>	ASTM D 792

  

Processing Recommendation Extrusion	Value	Unit	Standard
Pre-drying - temperature	65	°C	
Pre-drying - time	2 - 4	h	
Zone 1	182 - 232	°C	
Zone 2	188 - 238	°C	
Zone 3	193 - 243	°C	
Zone 4	199 - 249	°C	
Zone 5	199 - 249	°C	
Nozzle temperature	199 - 249	°C	