

TECHNICAL DATA SHEET

Monprene® IN-23075 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)	270	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	1.72	MPa	ASTM D 412
Shore A hardness	75		ASTM D 2240
Tensile strength at break	11.4	MPa	ASTM D 412
Elongation at break	700	%	ASTM D 412

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Other Properties	Value	Unit	Standard
Density	1180	kg/m ³	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	