

TECHNO ASA AE77

Acrylonitrile Styrene Acrylate

Techno Polymer America, Inc.

Message:

Reinforced weather-resistance for outdoor sheet applications
Unique ethylene- propylene-styrene-acrylonitrile [AES] resin for better weather-resistance
Designed for easy and consistent single and co-extrusion sheet processing, thus enabling faster cycle times and reduced scrap to achieve higher productivity value for processors
Compatible with ABS and PVC substratum when used as a capstock resin
The best material as the capstock for windows, door profiles, roof drainage, and fencing applications

General Information			
Features	Fast Molding Cycle		
	Good Weather Resistance		
Uses	Capstock		
	Outdoor Applications		
	Sheet		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (240°C/10.0 kg)	8.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	85		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	36.0	MPa	ISO 527-2
Flexural Modulus	1650	MPa	ISO 178
Flexural Stress	53.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	24	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	75.0	°C	ISO 75-2/B
Optical	Nominal Value		Test Method
Gloss	35		Internal Method
Extrusion	Nominal Value	Unit	
Drying Temperature	82.2 to 93.3	°C	
Drying Time	3.0 to 5.0	hr	
Cylinder Zone 1 Temp.	171 to 204	°C	

Cylinder Zone 2 Temp.	171 to 204	°C
Cylinder Zone 3 Temp.	171 to 204	°C
Cylinder Zone 4 Temp.	171 to 204	°C
Cylinder Zone 5 Temp.	171 to 204	°C
Adapter Temperature	188 to 221	°C
Die Temperature	193 to 227	°C

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Recommended distributors for this material

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