

Zythane® 8773AHM

Alliance Polymers & Services - Thermoplastic Polyurethane Elastomer (Polyether)

General Information

Product Description

Zythane® 8773AHM is a specially formulated polyether-based hotmelt TPU specifically formulated for with excellent adhesion characteristic and low stickiness. It is a plasticizer-free eco friendly TPU. It exhibits excellent abrasion resistance, fungus resistance, low temperature flexibility and hydrolytic stability. It is supplied uncolored in pellet form.

Typical Applications:

Zythane® 8773AHM is designed specifically for Fire hose and co-ex tubing applications.

General

Features	<ul style="list-style-type: none"> Abrasion Resistant Fungus Resistant 	<ul style="list-style-type: none"> Good Adhesion Hydrolytically Stable 	<ul style="list-style-type: none"> Low Temperature Flexibility
Uses	<ul style="list-style-type: none"> Hose 	<ul style="list-style-type: none"> Tubing 	
Forms	<ul style="list-style-type: none"> Pellets 		
Processing Method	<ul style="list-style-type: none"> Coextrusion 		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.05		ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/2.16 kg)	10 to 20	g/10 min	
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	363	psi	ASTM D412
Tensile Stress (300% Strain)	653	psi	ASTM D412
Tensile Strength (Break)	4350	psi	ASTM D412
Tensile Elongation (Break)	700	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	73		ASTM D2240
Thermal	Nominal Value	Unit	
Melting Temperature	311	°F	
Additional Information	Nominal Value	Unit	Test Method
Open Time	2.0	min	ASTM D1525

Processing Information

Extrusion Notes

Barrel Temperature
 Feed: 338 °F (170 °C)
 Compression: 392 °F (200 °C)
 Metering & Die: 401 °F (205 °C)