

neogol® A552 Z005

Thermoplastic Polyolefin Elastomer

API SpA

Message:

neogol® A552 Z005 is a polyolefin thermoplastic elastomer (TPO (POE)) product. It can be processed by co-extrusion molding or injection molding and is available in Europe.

Features include:

Copolymer

good weather resistance

General Information			
Features	Block Copolymer		
	Good weather resistance		
Processing Method	Co-extrusion molding		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.980	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	140	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	55		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
--	4.40	MPa	ASTM D638
100% strain	1.80	MPa	ASTM D638
300% strain	2.40	MPa	ASTM D638
Tensile Elongation (Break)	950	%	ASTM D638
Abrasion Resistance	155	mm ³	DIN 53516
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ¹	25.0	kN/m	ASTM D624
Compression Set			ASTM D395
23°C, 72 hr	18	%	ASTM D395
70°C, 22 hr	53	%	ASTM D395
Injection	Nominal Value	Unit	
Rear Temperature	155 - 175	°C	
Middle Temperature	160 - 180	°C	
Front Temperature	160 - 180	°C	
Nozzle Temperature	165 - 190	°C	
Mold Temperature	25 - 40	°C	
Injection Rate	Moderate-Fast		

NOTE

1. With Notch

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