

Deprene 101-87

Polypropylene + EPDM Rubber
Shanghai Lin Gen Rubber Materials Co., Ltd.

Message:

Deprene 101-87 is a polypropylene EPDM rubber (PP EPDM) material. This product is available in the Asia-Pacific region and is processed by extrusion or injection molding.

The main features of Deprene 101-87 are:

- Good flexibility
- chemical resistance

Typical application areas include:

- Wire and cable
- Sealing applications
- Hose

General Information			
Features	Good flexibility		
	Good chemical resistance		
	General		
Uses	Wire and cable applications		
	Pipe		
	Seals		
	General		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.930	g/cm ³	ASTM D297
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	87		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Set	20	%	ASTM D412
Tensile Stress (100% Strain)	6.80	MPa	ASTM D412
Tensile Strength (Yield)	14.2	MPa	ASTM D412
Tensile Elongation (Break)	450	%	ASTM D412
Tear Strength	60.0	kN/m	ASTM D624
Compression Set			ASTM D395
23°C, 22 hr	36	%	ASTM D395
70°C, 22 hr	45	%	ASTM D395
120°C, 22 hr	62	%	ASTM D395
Aging	Nominal Value	Unit	
Change in Tensile Strength (150°C, 168 hr)	-4.0	%	

Change in Ultimate Elongation (150°C, 168 hr)	-22	%	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-50.0	°C	ASTM D746
Injection	Nominal Value	Unit	
Drying Temperature	80 - 90	°C	
Drying Time	2.0 - 4.0	hr	
Processing (Melt) Temp	190 - 250	°C	
Injection Pressure	40.0 - 60.0	MPa	
Extrusion	Nominal Value	Unit	
Melt Temperature	170 - 230	°C	

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