

Generic PP+EPDM

Polypropylene + EPDM Rubber

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic PP+EPDM
This information is provided for comparative purposes only.

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	0.945 - 0.995	g/cm ³	ASTM D792
23°C	0.932 - 0.984	g/cm ³	ISO 1183
Molding Shrinkage - Flow (23°C)	2.5	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			
23°C	39 - 92		ASTM D2240
23°C	40 - 91		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			
100% strain, 23°C	1.00 - 5.25	MPa	ASTM D412
100% strain, 23°C	1.00 - 12.0	MPa	ISO 37
300% strain, 23°C	1.50 - 6.60	MPa	ASTM D412
300% strain, 23°C	2.30 - 5.24	MPa	ISO 37
Tensile Strength			
Yield, 23°C	3.20 - 13.1	MPa	ASTM D412
Yield, 23°C	4.00 - 16.1	MPa	ISO 37
Fracture, 23°C	4.00 - 16.3	MPa	ASTM D412
Fracture, 23°C	3.50 - 12.1	MPa	ISO 37
Tensile Elongation			
Fracture, 23°C	350 - 600	%	ASTM D412
Fracture, 23°C	300 - 680	%	ISO 37
Tear Strength			
23°C	19.0 - 68.0	kN/m	ASTM D624
23°C	5.0 - 79	kN/m	ISO 34-1
Compression Set	23 - 62	%	ASTM D395
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature			
--	-60.0 - -55.0	°C	ASTM D746
--	-55.3 - -55.0	°C	ISO 974
--	-60.3 - -51.0	°C	ISO 812

Injection	Nominal Value	Unit
Drying Temperature	79.5 - 80.0	°C
Drying Time	2.0	hr
Nozzle Temperature	219 - 220	°C
Processing (Melt) Temp	189 - 210	°C
Mold Temperature	37.3 - 45.0	°C

Injection instructions

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Extrusion	Nominal Value	Unit
Drying Time	2.0 - 3.0	hr
Melt Temperature	185 - 200	°C
Die Temperature	190 - 215	°C

Extrusion instructions

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