

# Generic PAO

Polyalphaolefin

Generic

Message:

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

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	0.858 to 0.870	g/cm <sup>3</sup>	ASTM D792
--	0.870 to 0.893	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.40 to 3.9	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (23°C)	52 to 92		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Break, 23°C	2.00 to 36.0	MPa	
23°C	0.340 to 2.34	MPa	
Tensile Elongation (Break, 23°C)	600 to 1000	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-37.0 to -20.0	°C	DSC
Vicat Softening Temperature	41.0 to 60.8	°C	ASTM D1525
Melting Temperature	50.0 to 77.2	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (23°C)	1.0E+17 to 1.2E+17	ohms·cm	ASTM D257
Dielectric Constant (23°C)	2.30		ASTM D150
Dissipation Factor (23°C)	1.3E-4 to 5.0E-4		ASTM D150

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