



FLEXALLOY® 9604-75

Teknor Apex Company - Polyvinyl Chloride Elastomer

General Information

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Abrasion Resistant • Flame Retardant	• High Heat Resistance • Low Temperature Flexibility	• Sunlight Resistant (720 hours)
Uses	• Cable Jacketing		
Wire Types	• SEOW • SEW	• SJEOW • SJEW	• STEOW • STEW
Agency Ratings	• UL Class 11 • UL Class 12	• UL Class 36 • UL Class 43	• UL QMTT2
RoHS Compliance	• RoHS Compliant		
Appearance	• Opaque		
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.30		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.8	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2440	psi	ASTM D638
Tensile Elongation (Break)	380	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	80		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	221	°F	ASTM D794
Brittleness Temperature	-52.6	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	750	V/mil	ASTM D149
Dielectric Constant			ASTM D150
1 kHz	5.56		
1 MHz	3.75		
Dissipation Factor			ASTM D150
1 kHz	0.14		
1 MHz	0.098		
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	25	%	ASTM D2863

Additional Information

Data Sheet Applies to Color(s) Listed Below:

Black (0113317)

Natural (0108524)

Natural 14 (0115783)

Notes

¹ Typical properties: these are not to be construed as specifications.