

Comco ABS

Acrylonitrile Butadiene Styrene

Comco Nylon GmbH

Message:

Application examples: Casing and Service parts; Transport container, etc.

General Information			
Uses	Container		
Appearance	Black		
	Natural color		
Resin ID (ISO 1043)	ABS		
Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm ³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	0.30	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	78		DIN 53505
Ball Indentation Hardness	90.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2400	MPa	ISO 527-2
Tensile Stress (Yield)	15.0	MPa	ISO 527-2
Tensile Strain (Break)	20	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	11	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Specific Heat	1200	J/kg/°C	DIN 52612
Thermal Conductivity	0.17	W/m/K	DIN 52612
Service Temperature			
Long Term	-20 - 80	°C	
Short Term		°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms · cm	IEC 60093
Dielectric Strength	20	kV/mm	IEC 60243-1
Dielectric Constant (100 Hz)	3.10		IEC 60250
Dissipation Factor (100 Hz)	0.015		IEC 60250
Comparative Tracking Index (Solution A)	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94

3.0 mm	V-0	UL 94
6.0 mm	V-0	UL 94

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