

Tecnoprene® A60K6 NERO900

Polypropylene Homopolymer

SO.F.TER. SPA

Message:

Polypropylene homopolymer reinforced with 30% chemically coupled glass fiber

General Information			
UL YellowCard	E187982-101341060		
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Homopolymer		
	Fill		
Uses	Parts under the hood of a car		
	Application in Automobile Field		
Agency Ratings	EC 1907/2006 (REACH)		
	UL unrated UL product certified-File E187982		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Molding Shrinkage			Internal method
Flow	0.10 - 0.40	%	Internal method
Transverse flow	0.40 - 0.80	%	Internal method
Water Absorption (23°C, 24 hr)	0.020	%	ASTM D570
Ash Content	30	%	Internal method
Mold Shrinkage	0.50	%	Internal method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	108		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	90.0	MPa	ASTM D638
Flexural Modulus	6200	MPa	ASTM D790
Flexural Strength	135	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	40	kJ/m ²	ISO 179/1eU

Notched Izod Impact			ASTM D256
-20°C	110	J/m	ASTM D256
23°C	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	150	°C	ASTM D648A
Vicat Softening Temperature	138	°C	ASTM D1525 ¹
CLTE - Flow	5.5E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	ASTM D257
Dielectric Constant (1 kHz)	2.60		ASTM D150
Comparative Tracking Index	> 650	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.2 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	90	°C	
Drying Time	3.0	hr	
Rear Temperature	210	°C	
Middle Temperature	240	°C	
Front Temperature	250	°C	
Mold Temperature	50 - 70	°C	
NOTE			

1. 标准 B (120°C/h), 载荷2 (50N)

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