



Stock No: 6191506

Name of the compounds: Description of the compounds: Plasticized PVC.

TECHNICAL DATA SHEET

	Date –October 2015	Page 1 of 1
Part number: 1010-02 Compound:		
Compound Reference : PL70NG; PL70PL; PL70BC; PL70GC; PL70GO; PL70AN		
Compound Description – PVC 70 Shore A, several colors (black, silver, white, light gray, dark gray, anthracite) .		
This product is conform to RoHS, WEEE and Reach Regulations		

Properties	Test Method	PL70	Unit
Physical Properties:			
Specific Gravity	DIN ISO 1183	1.28	Kg/l
Hardness	DIN ISO 7619	68	Shore A
Modulus 100 %	DIN 53 504	5.2	N / mm ²
Tensile Strength	DIN 53 504	15.9	N / mm ²
Elongation at Break	DIN 53 504	365	%
Tear Resistance	DIN ISO 34-1	-	N / mm
Compression Set 22 Hr/70°C	DIN ISO 815	-	%
Compression Set 72 Hr/100°C	DIN ISO 815	-	%
Heat Aging – 70Hrs@100°C			
- Hardness change		± 10	Points
- Tensile change		± 30	%
- Elongation change		± 30	%
Low temperature Brittleness	ISO 815	-	Pass

Remarks: (*)According to FMVSS 302 and GM60261 it is consider self-extinguishing because it burn less than 1 minute and less than 2 inches

Datasheet

Stock No: 6191506

Test	Norm	Results	Unit
		Compound	
		PVC	
Rheology			
ML m (1+4) 100°C	DIN 53 523		MU
Mv 2000- Scorch 125°C	DIN 53 523		
ML			MU
T5			Minutes
MDR 2000 -30'/ 180°C/ 0.5	DIN 53529		
ML			dNm
MH			dNm
Ts2			Minutes
T10			Minutes
T50			Minutes
T90			Minutes
Physical properties			
Density	DIN EN ISO 1183	1.28	g/cc
Hardness	DIN ISO 7619	68	Shore A
Modulus at 100% elongation	DIN 53504	5.2	MPa
Tensile strength	DIN 53504	15.9	MPa
Elongation maximum	DIN 53504	365	%
Heat Aging 70 Hrs@100°C			
Hardness change		± 10	Points
Tensile change		± 30	%
Elongation change		± 30	%
Performance in finished product			
Performance in 10mm radius		Without wrinkles	
Performance in 10mm radius		Without wrinkles	
Performance in 15mm radius		Without wrinkles	
Retaining force (plate 2mm)		80 - 114	N / 100 mm
Flammability test (<100mm / min)	FMVSS N° 302	Self-extinguishing (*)	Mm / minutes

Datasheet

Compound Reference : METAL CARRIER 16*0.3 mm

Compound Description –Metal carrier According to EN 10139

This product is conform to REACH, RoHS and WEEE Regulations

MATERIAL QUALITY : DC03C590

Material Inspection Certificate

The following datas are noted down from the original raw material test report according to EN 10204 3.1

Quality/Grade/Temper	Tensile strength R _m =N/mm ² min. 590	Yield Point R _m =N/mm ² min. 540	Elongation A%	Hardness
DC03 C590	600.0	559.0	4.49	
Heat No.	C Max 0.10%	Mn Max 0.45%	P Max 0.035%	S Max 0.035%
148676	0.078	0.400	0.012	0.005

This certificate was constructed with a data processing system and is valid without a signature.

DRAWING:

WIDTH (mm): 16 + 0 – 0.2

THICKNESS (mm): 0.30 ± 0.04

DIMENSION 1(mm): 3 ± 0.2

DIMENSION 2 (mm): 1.5 ± 0.1

DIMENSION 3 (mm): 1.5 ± 0.1

TENSILE STRENGTH (N): > 150

