



VYLON Department
TOYOBO Co.,Ltd.



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Technical Data Sheet

Vyloshot

	unit	GM950	GM955
[Typical Properties]			
Form		Pellets	Pellets
Color		Black	Black
Odor		Slight	Slight
Taste		N.D.	N.D.
Specific gravity	°C	1.14	1.05
Temperature limits	°C	-40/+150	-50/+120
Application temperature	°C	240	240
B&R softening point	°C	197	160
Glass transition (Tg)	°C	-65	-77
Brookfield viscosity	cps@200°C	70,000	50,000
Open time	seconds	N.D.	N.D.
Skin time resistance	minutes	N.D.	N.D.
[Mechanical Properties]			
Tensile strength	MPa	9	4.3
Elongation at break	%	500	1300
Shore A hardness		94	70
Shore D hardness		38	16
Brittleness temperature	°C	<-65	<-65
Moisture absorption @23°C/50%RH	%	~ 0.3	~ 0.4
[Electrical Properties]			
Mass specific resistivity	ohm-cm	10 ¹¹ 12	10 ¹¹ 12
Surface soecific resistivyty	ohm	N.D.	N.D
Dielectric rididity	kV/cm	200	200
Relative permittivity @1MHz		4.8	4.7
[Thermal Properties]			
Thermal conductivity @ 23°C	W/m °K	0.2	0.2
@180°C		0.14	0.14
Coefficient of linear expansion of basic material	ppm/°K	190	190
[UL Test Values]			
UL 94 flammability test:		V2	V2
Comparative Tracking Index	V	>600	>600

The data listed are given only for refernece and do not represent the guranteed values.